

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049301.D
 Acq On : 16 Jun 2018 10:18
 Operator : MD\SY
 Sample : J3464-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:15:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1242880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1973405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1654464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	803558	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	720123	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	
50) Toluene-d8	10.09	98	2711613	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	
62) 4-Bromofluorobenzene	12.40	95	756236	37.62	ug/l	0.00
Spiked Amount			Recovery	=	75.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3851	0.21	ug/l	97
8) Diethyl Ether	3.41	74	3811	0.45	ug/l	59
13) Acrolein	3.62	56	349	0.34	ug/l	98
14) Allyl chloride	4.55	41	266601	11.85	ug/l #	20
16) Acetone	3.82	43	40907	10.22	ug/l	92
18) Methyl Acetate	4.34	43	111747	9.16	ug/l	95
20) Methylene Chloride	4.55	84	7751276	463.68	ug/l	92
25) 2-Butanone	6.85	43	9645	1.79	ug/l #	78
29) Tetrahydrofuran	7.22	42	1701	0.49	ug/l #	61
30) Chloroform	7.38	83	23328	0.82	ug/l	97
31) Cyclohexane	7.66	56	24739	0.84	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87666	3.88	ug/l #	50
37) Ethyl Acetate	6.85	43	9645	0.78	ug/l #	78
38) Carbon Tetrachloride	7.67	117	111378	4.76	ug/l #	16
43) Isopropyl Acetate	8.21	43	424480	18.07	ug/l #	64
44) Trichloroethene	8.84	130	8624	0.47	ug/l	88
47) Bromodichloromethane	9.40	83	8233	0.36	ug/l #	91
49) 1,4-Dioxane	9.21	88	109	0.71	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3522	0.29	ug/l #	80
52) Toluene	10.16	92	78198	1.92	ug/l	95
64) Tetrachloroethene	10.63	164	5555	0.33	ug/l	92
65) Chlorobenzene	11.43	112	16948	0.40	ug/l #	79
67) Ethyl Benzene	11.51	91	142935	2.02	ug/l	99
68) m/p-Xylenes	11.62	106	121189	4.57	ug/l	94
69) o-Xylene	11.95	106	56387	2.21	ug/l	90
70) Styrene	11.97	104	58986	1.46	ug/l	98
71) Bromoform	12.40	173	5048	0.49	ug/l #	1
73) Isopropylbenzene	12.25	105	29426	0.55	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	113	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	365815	35.22	ug/l #	100
78) n-propylbenzene	12.59	91	56078	0.96	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	81674	1.94	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	365815	111.31	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	299998	7.19	ug/l	100

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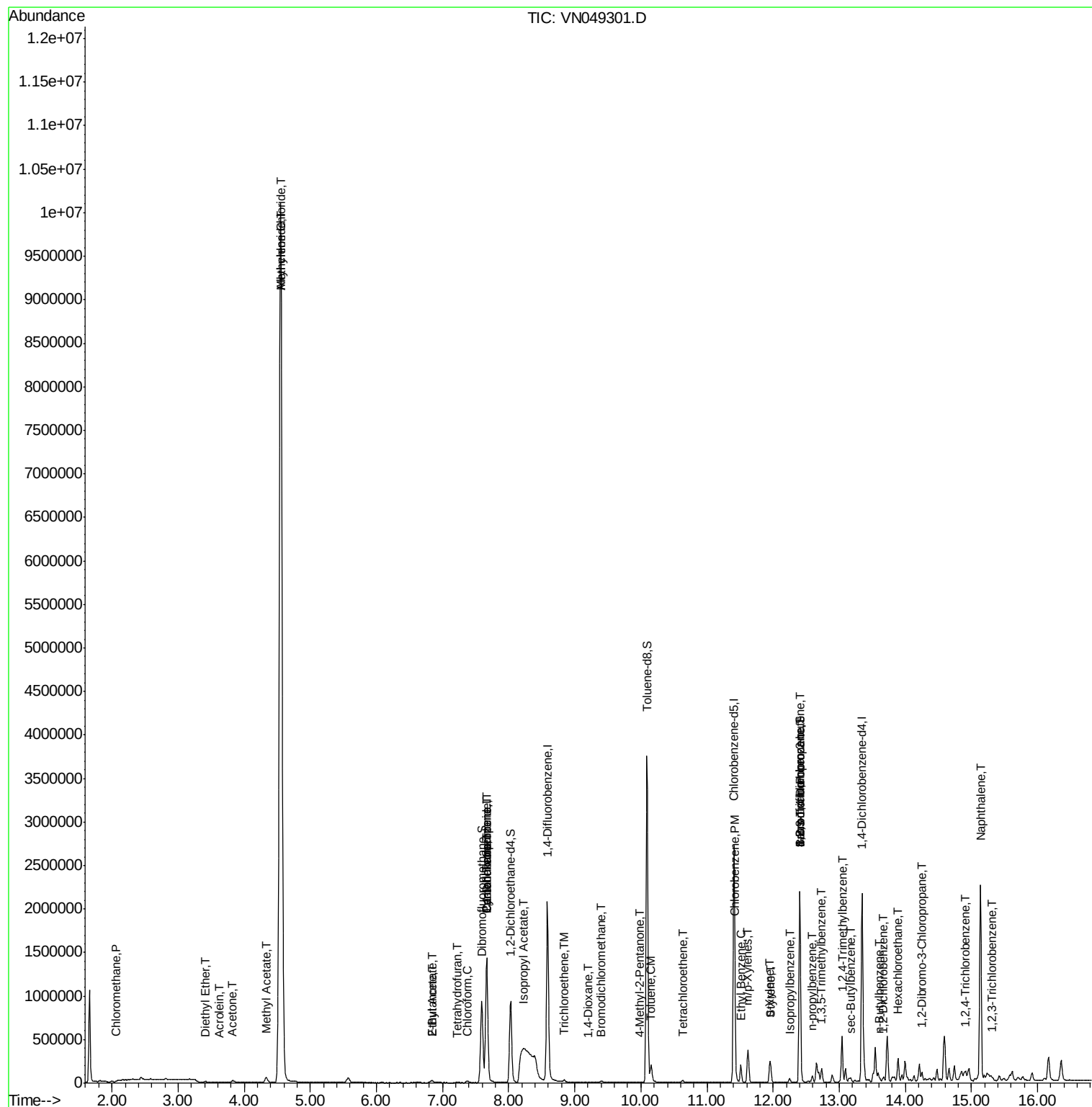
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	26784	0.54	ug/l	82
89) n-Butylbenzene	13.62	91	14478	0.45	ug/l #	71
90) Hexachloroethane	13.89	117	16327	0.40	ug/l #	9
91) 1,2-Dichlorobenzene	13.65	146	7394	0.32	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	403	0.22	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	28524	7.22	ug/l #	82
94) Hexachlorobutadiene	15.01	225	61	Below Cal	#	18
95) Naphthalene	15.14	128	1952179	92.76	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	5886	3.99	ug/l #	61

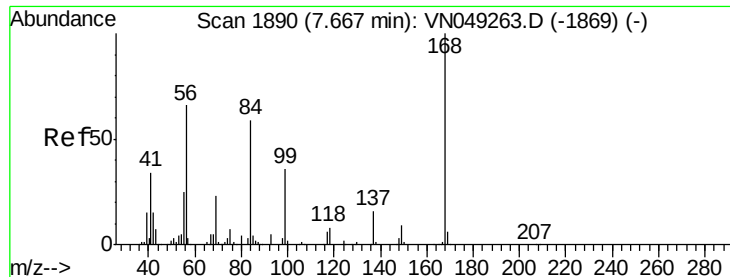
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

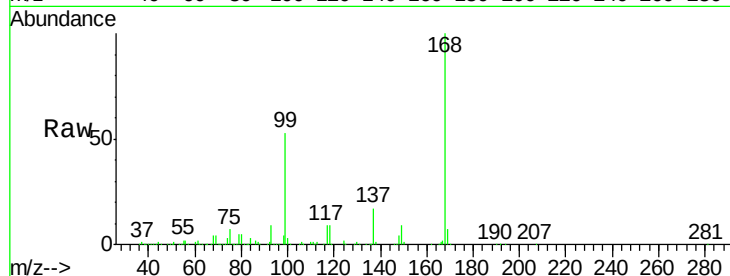
ClientSampled :

Tot Ion:168 Resp: 1242880

Ion Ratio Lower Upper

168 100

99 52.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

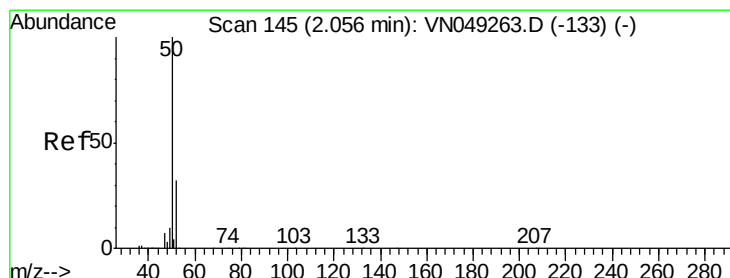
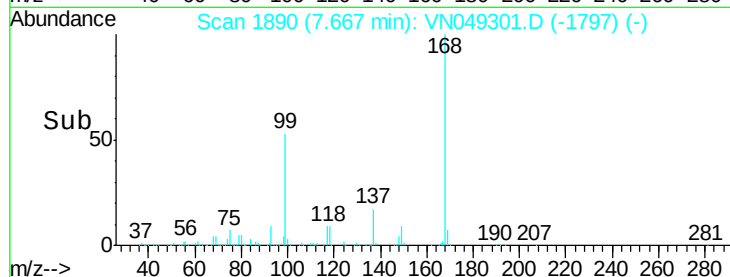
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049301.D

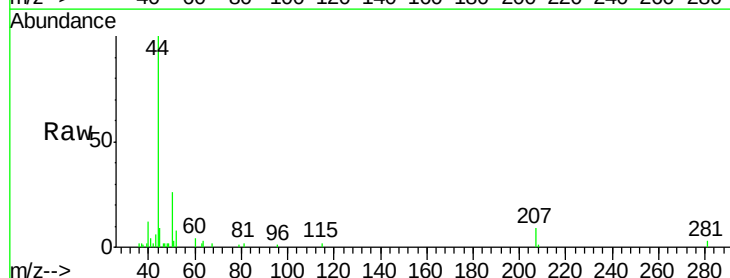
Acq: 16 Jun 2018 10:18

Tgt Ion: 50 Resp: 3851

Ion Ratio Lower Upper

50 100

52 30.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

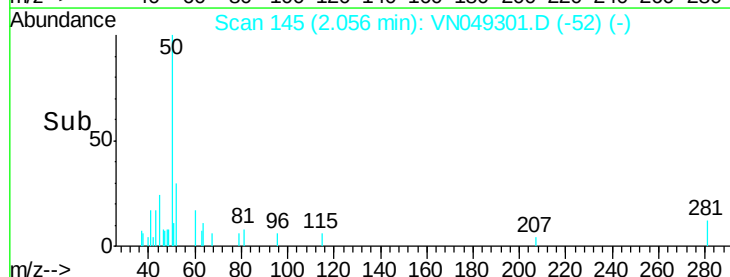
3000

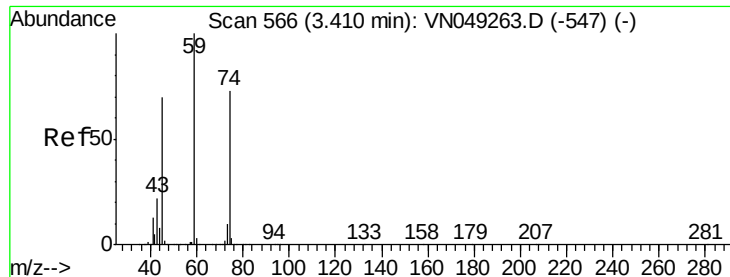
2000

1000

0

Time--> 2.00 2.05 2.10





#8

Diethyl Ether

Concen: 0.45 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

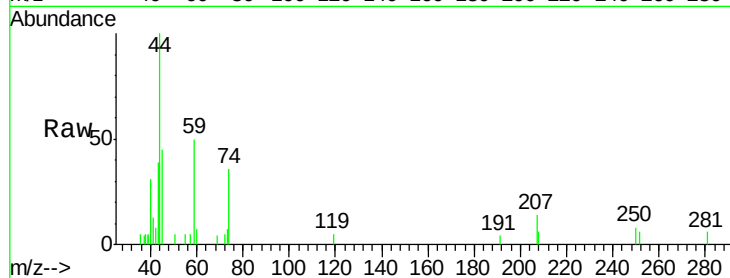
ClientSampled :

Tot Ion: 74 Resp: 3811

Ion Ratio Lower Upper

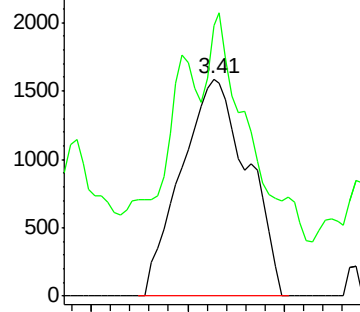
74 100

45 62.1 51.9 155.8

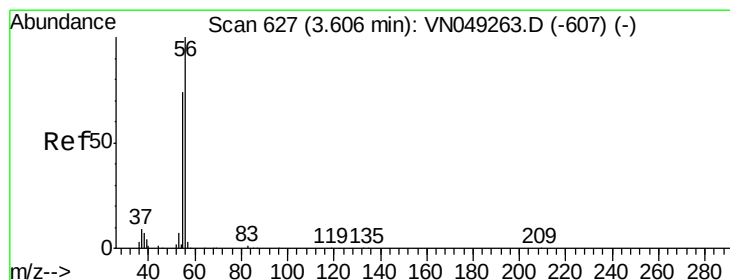
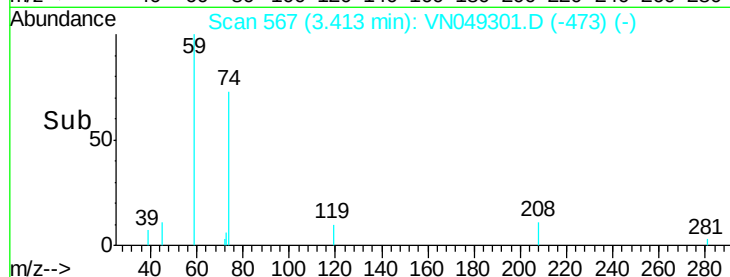


Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



Time-->



#13

Acrolein

Concen: 0.34 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049301.D

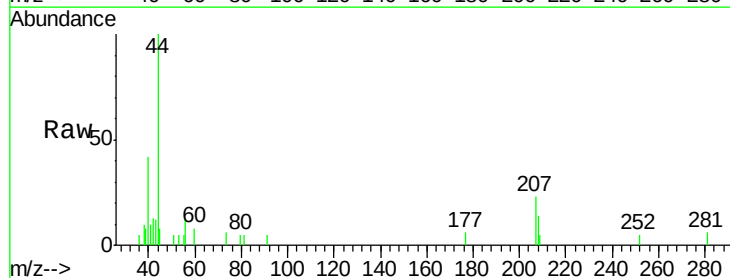
Acq: 16 Jun 2018 10:18

Tgt Ion: 56 Resp: 349

Ion Ratio Lower Upper

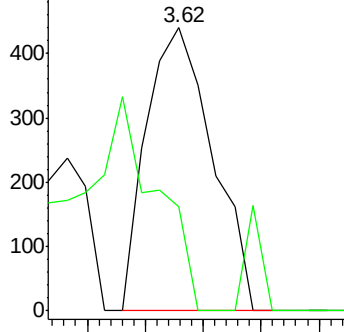
56 100

55 69.9 57.1 85.7

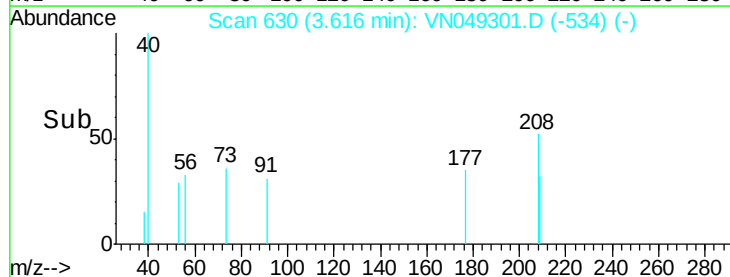


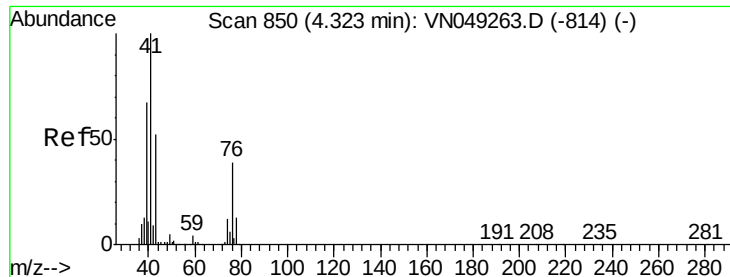
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->

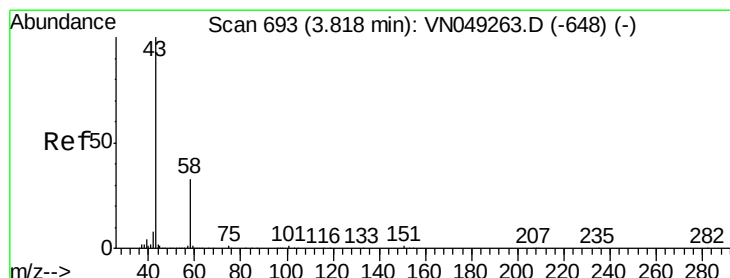
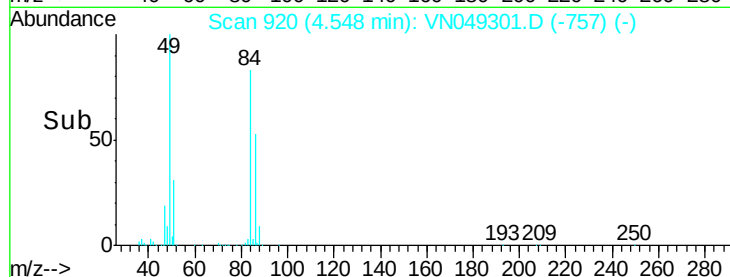
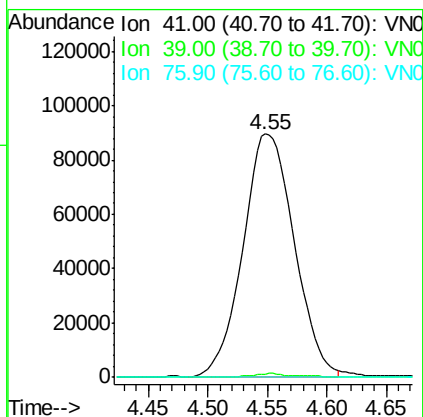
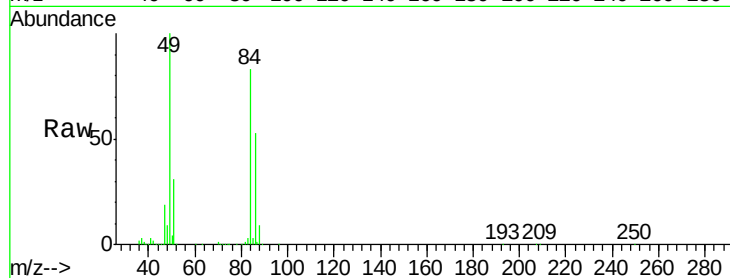




#14
Allvl chloride
Concen: 11.85 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.23 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

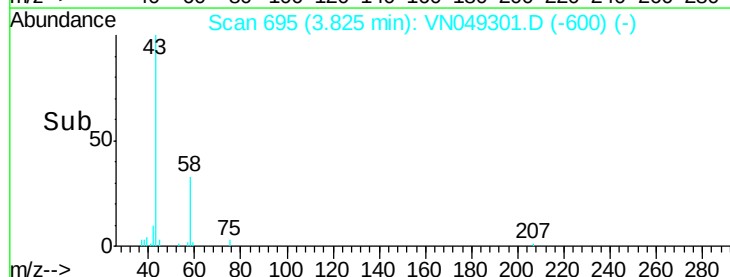
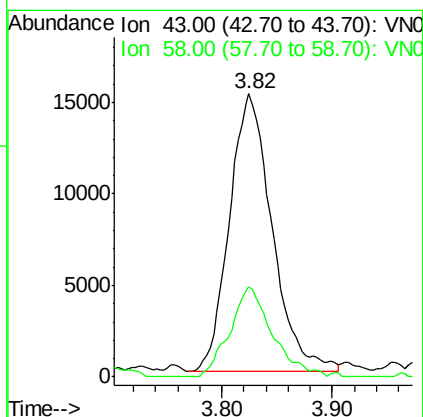
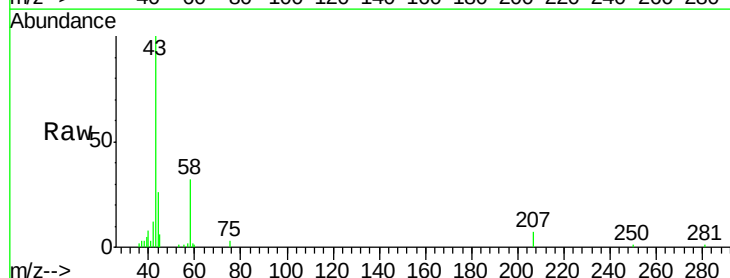
Instrument :
MSVOA_N
ClientSampled :

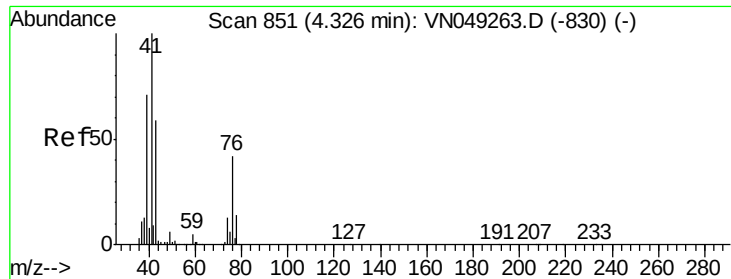
Tot Ion	Ratio	Lower	Upper
41	100		
39	1.0	62.5	93.7#
76	0.0	27.1	40.7#



#16
Acetone
Concen: 10.22 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	22.4	33.6

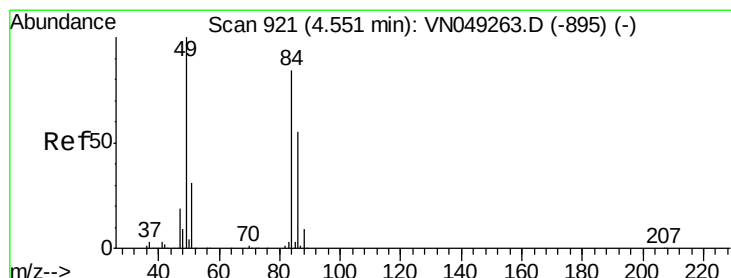
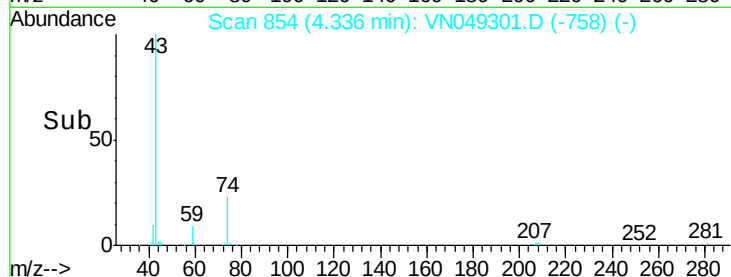
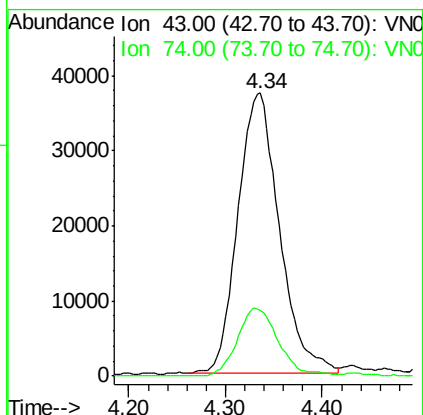
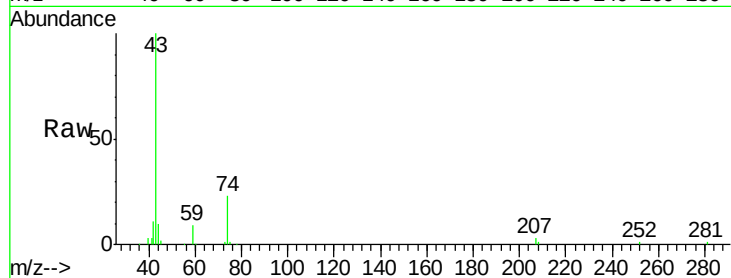




#18
Methvl Acetate
Concen: 9.16 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

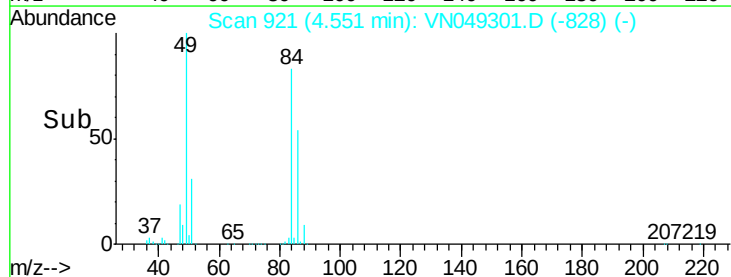
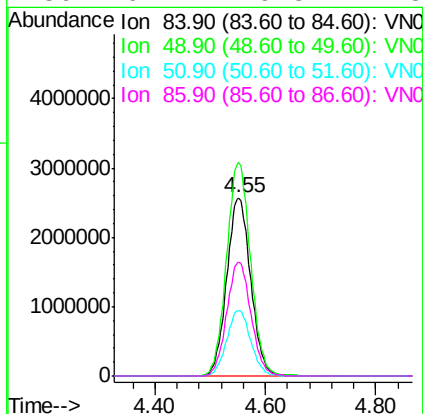
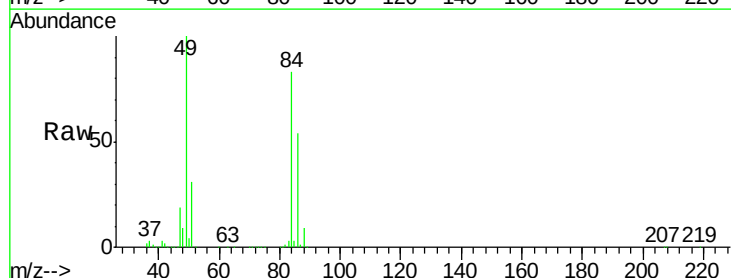
Instrument :
MSVOA_N
ClientSampleId :

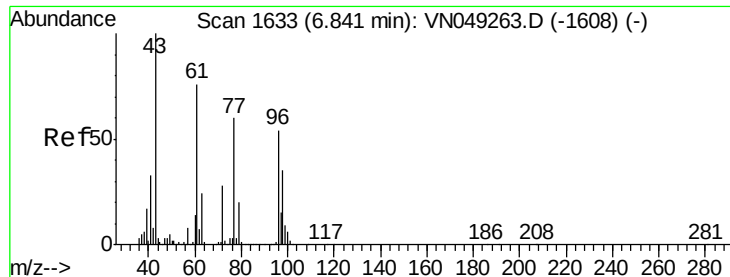
Tot Ion: 43 Resp: 111747
Ion Ratio Lower Upper
43 100
74 23.9 17.4 26.0



#20
Methylene Chloride
Concen: 463.68 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion: 84 Resp: 7751276
Ion Ratio Lower Upper
84 100
49 119.8 106.9 160.3
51 36.9 32.7 49.1
86 64.1 49.8 74.8

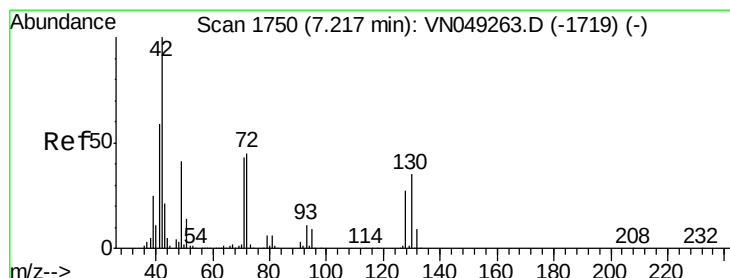
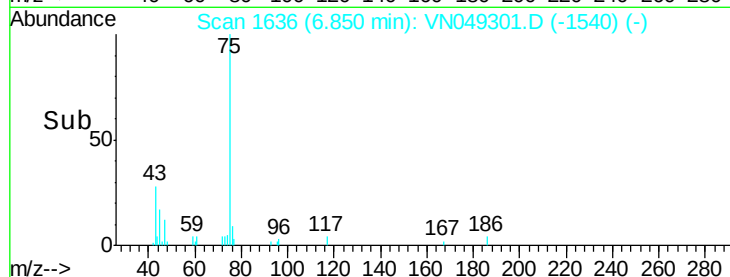
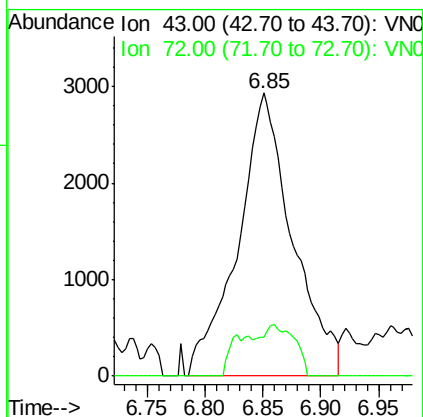
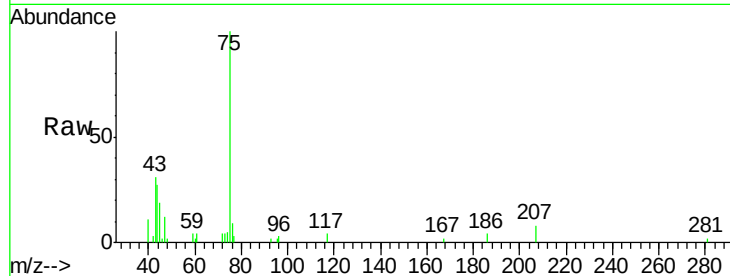




#25
2-Butanone
Concen: 1.79 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

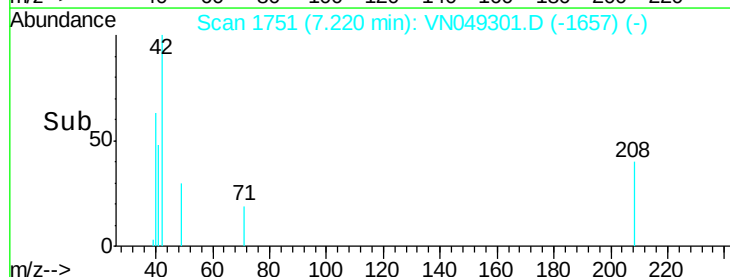
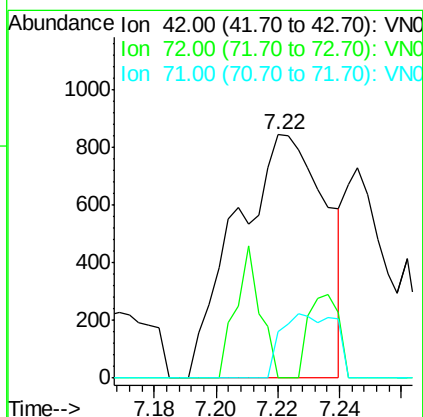
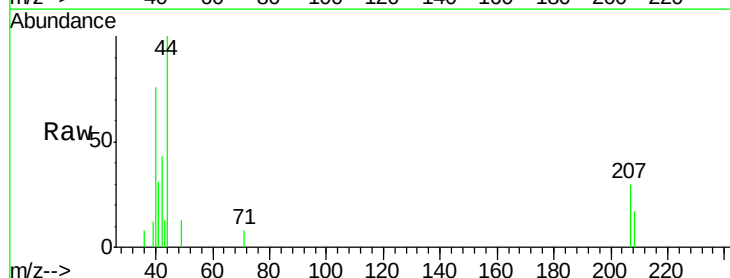
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ClientSampled :

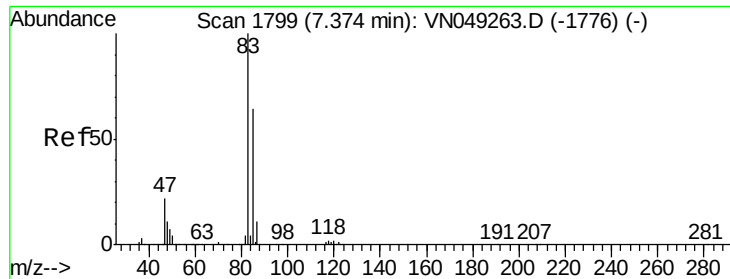
Tot Ion: 43 Resp: 9645
Ion Ratio Lower Upper
43 100
72 13.9 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.49 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion: 42 Resp: 1701
Ion Ratio Lower Upper
42 100
72 14.8 32.2 48.4#
71 15.8 30.5 45.7#

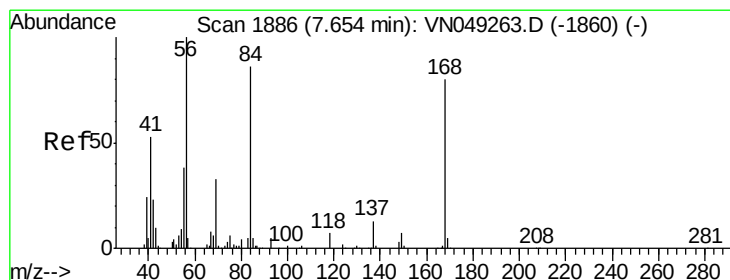
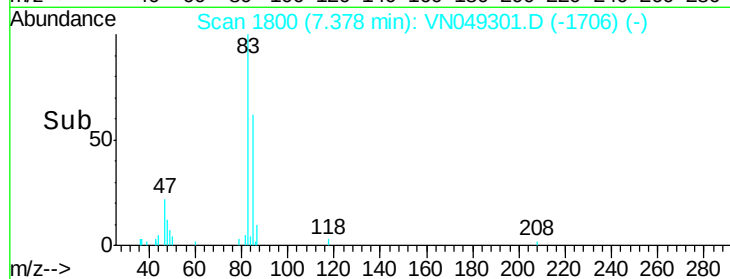
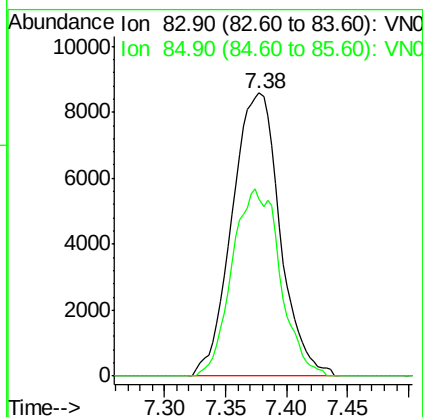
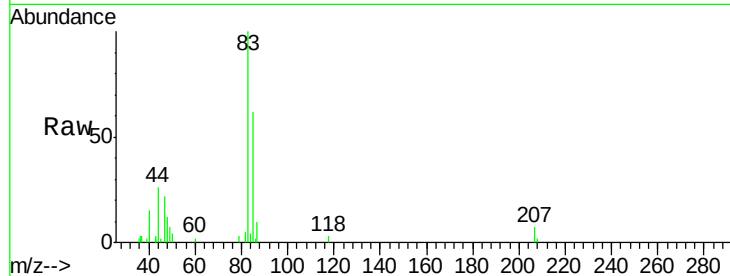




#30
Chloroform
Concen: 0.82 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

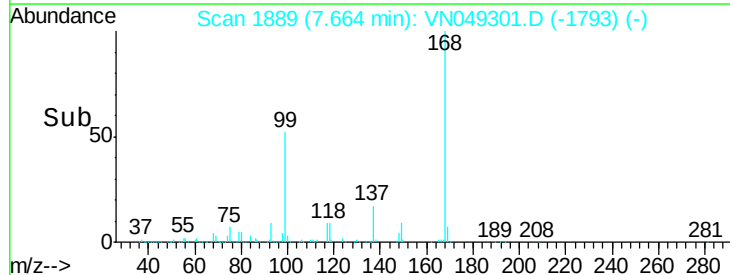
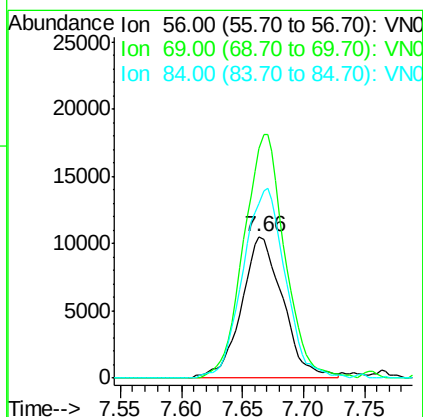
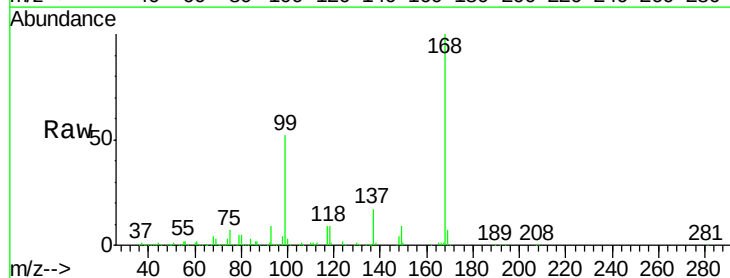
Instrument :
MSVOA_N
ClientSampleId :

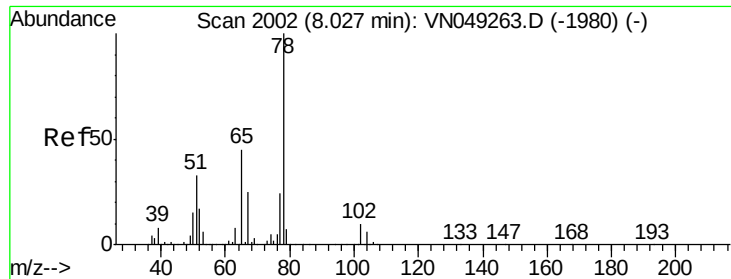
Tot Ion: 83 Resp: 23328
Ion Ratio Lower Upper
83 100
85 62.4 51.7 77.5



#31
Cyclohexane
Concen: 0.84 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion: 56 Resp: 24739
Ion Ratio Lower Upper
56 100
69 161.5 25.0 37.4#
84 122.8 64.6 96.8#

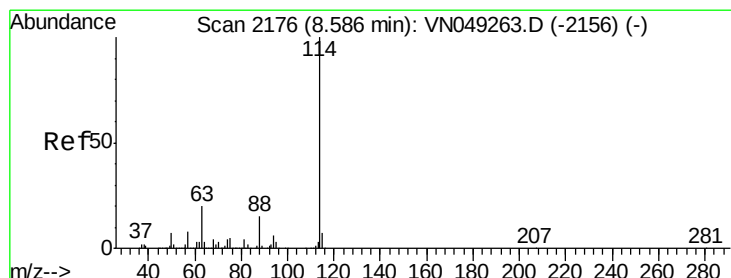
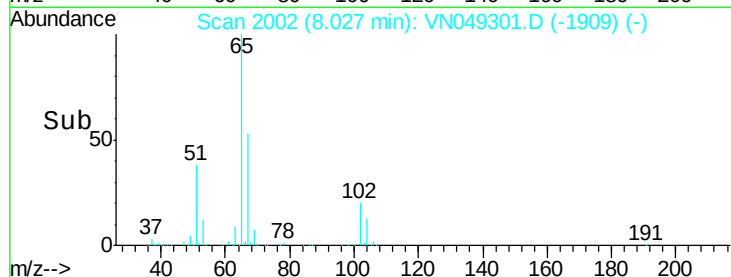
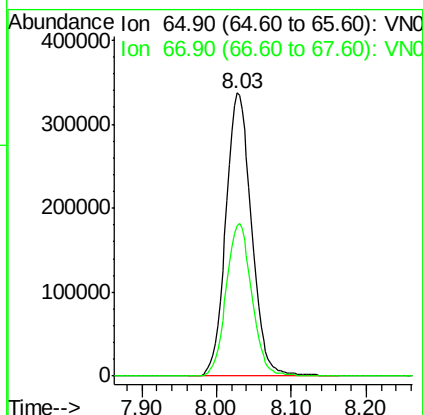
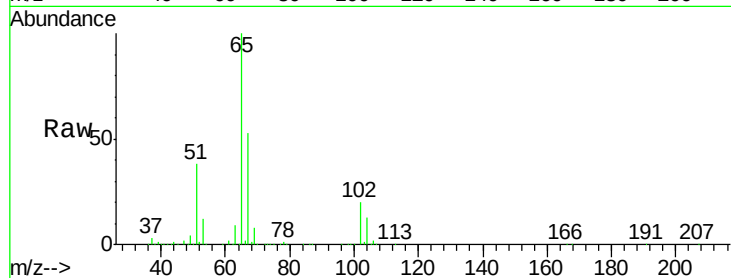




#33
 1,2-Dichloroethane-d4
 Concen: 48.75 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

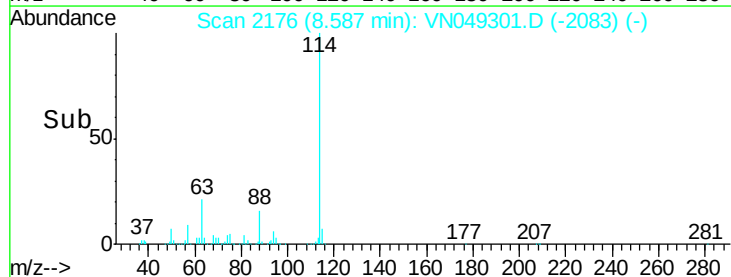
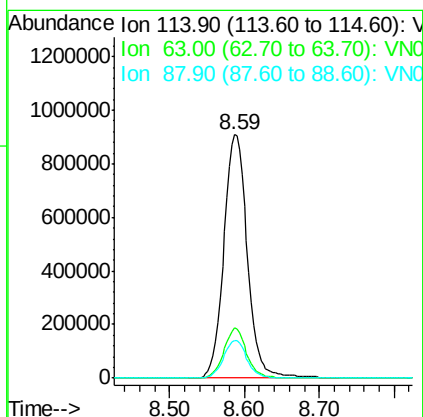
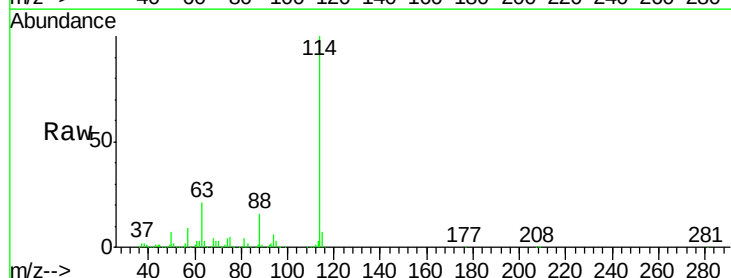
Instrument :
 MSVOA_N
 ClientSampled :

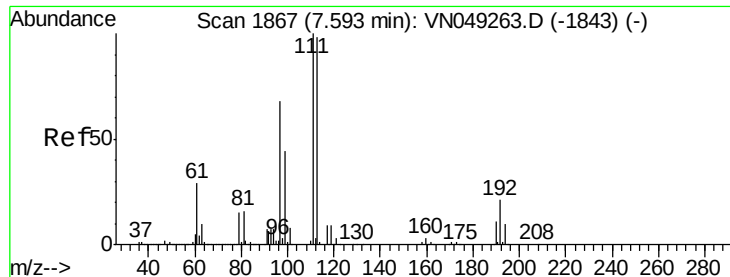
Tot Ion: 65 Resp: 803558
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

Tgt Ion: 114 Resp: 1973405
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.4
 88 15.5 0.0 31.4

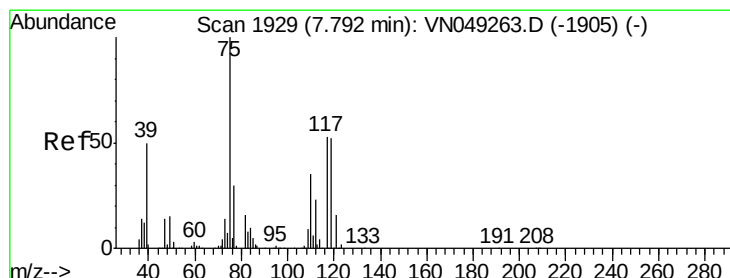
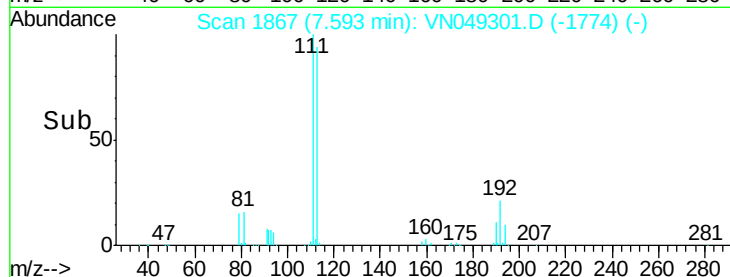
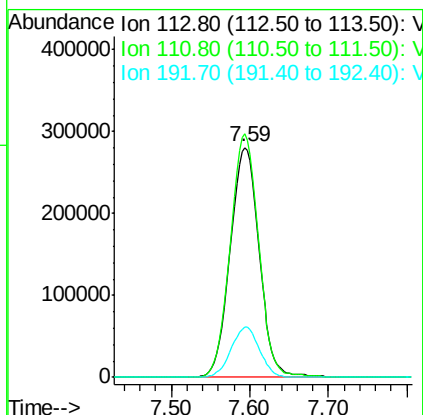
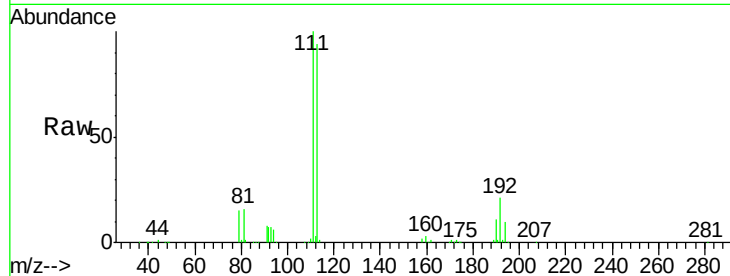




#35
 Dibromofluoromethane
 Concen: 45.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

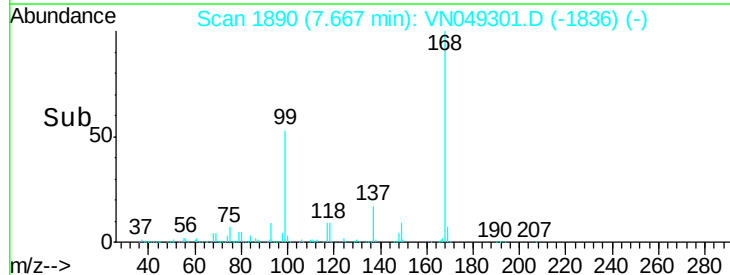
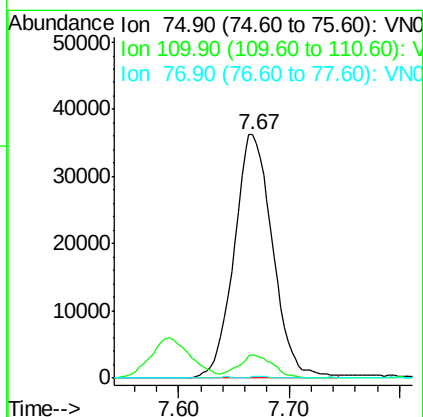
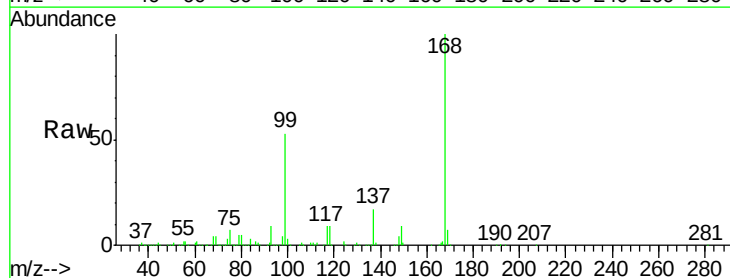
Instrument :
 MSVOA_N
 ClientSampleId :

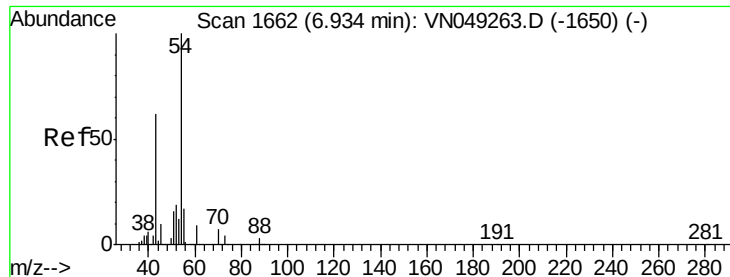
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	21.6	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.2	24.4	36.6#

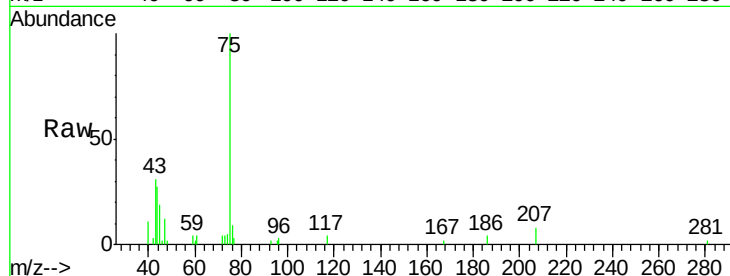




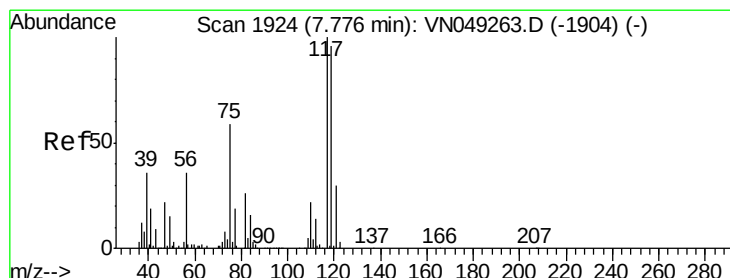
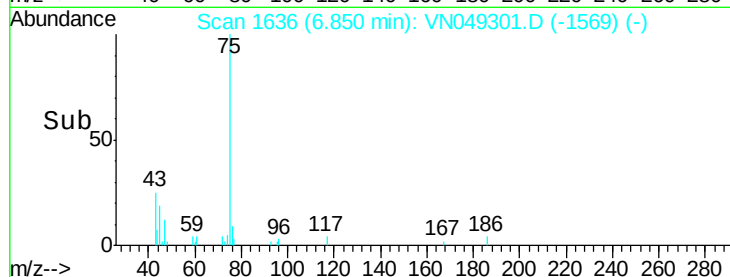
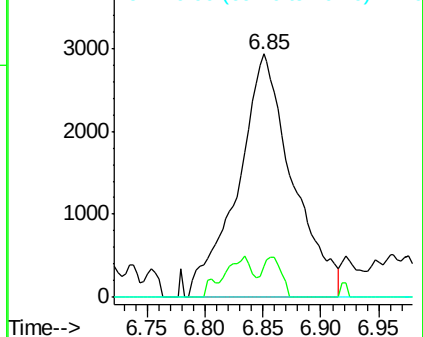
#37
Ethyl Acetate
Concen: 0.78 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. -0.08 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	5.8	11.0	16.4#
70	0.0	7.2	10.8#

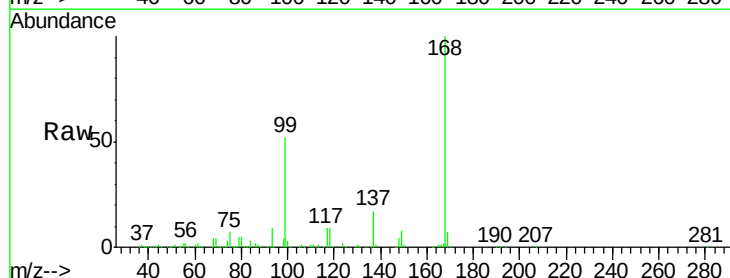


Abundance Ion 43.00 (42.70 to 43.70): VN049301.D (-1636) (-)

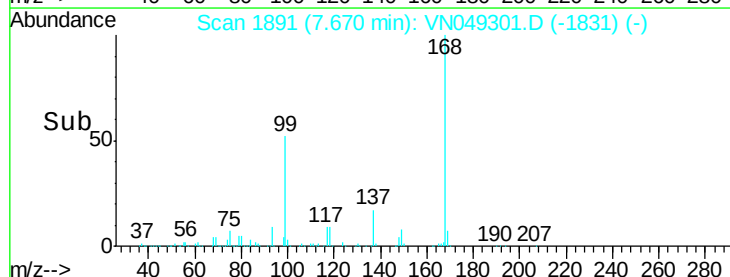
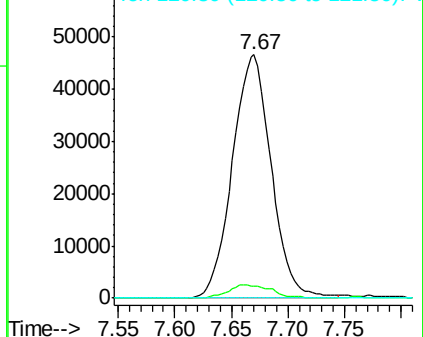


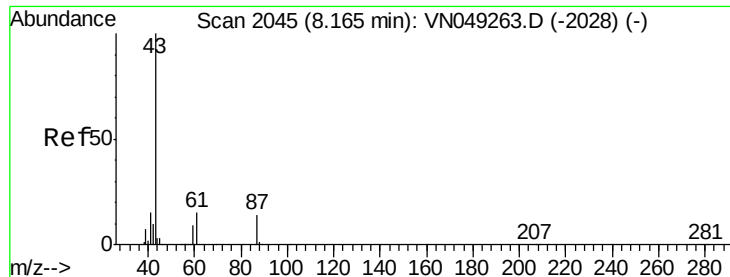
#38
Carbon Tetrachloride
Concen: 4.76 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.6	113.4#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN049301.D (-1891) (-)





#43

Isopropyl Acetate

Concen: 18.07 ug/l

RT: 8.21 min Scan# 2060

Delta R.T. 0.05 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

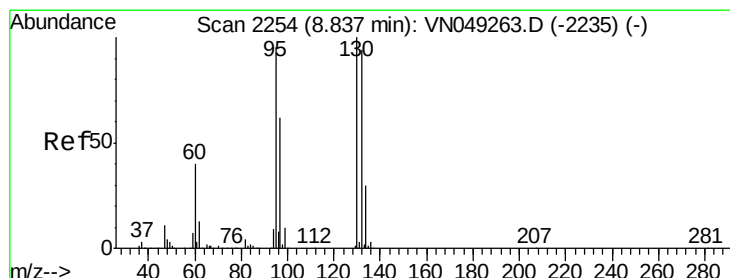
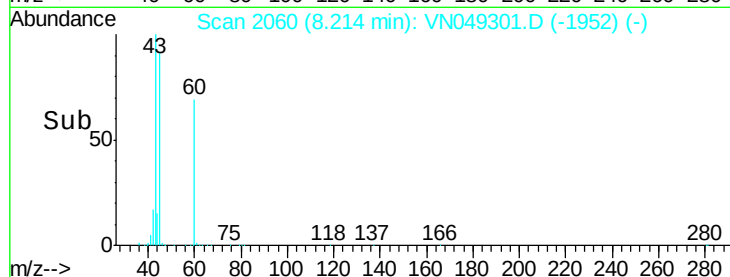
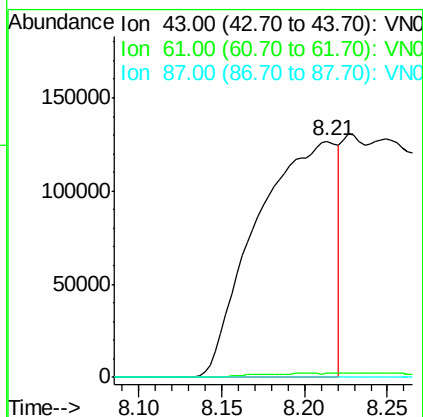
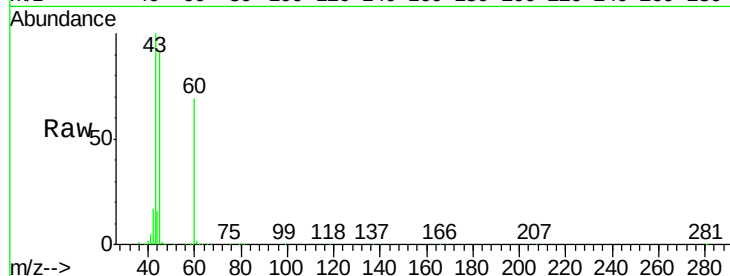
Tot Ion: 43 Resp: 424480

Ion Ratio Lower Upper

43 100

61 0.6 14.2 21.4#

87 0.0 9.4 14.0#



#44

Trichloroethene

Concen: 0.47 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN049301.D

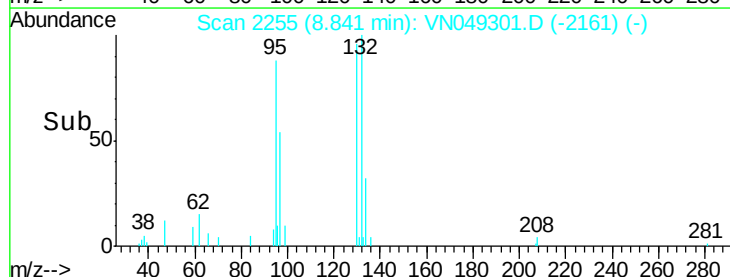
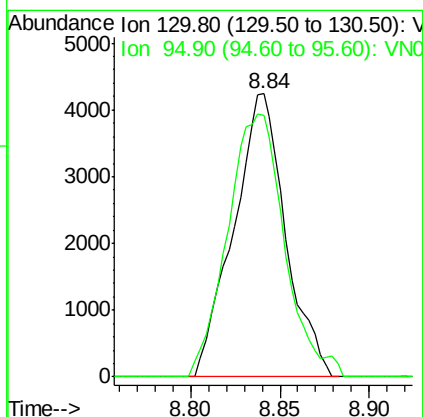
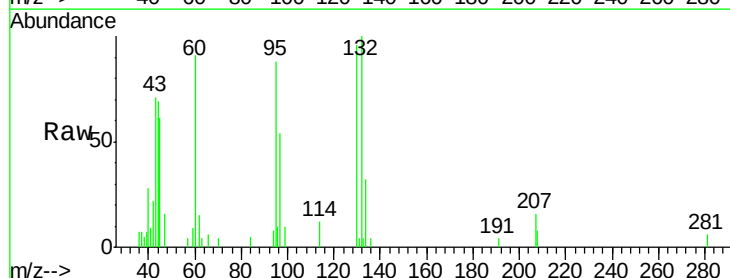
Acq: 16 Jun 2018 10:18

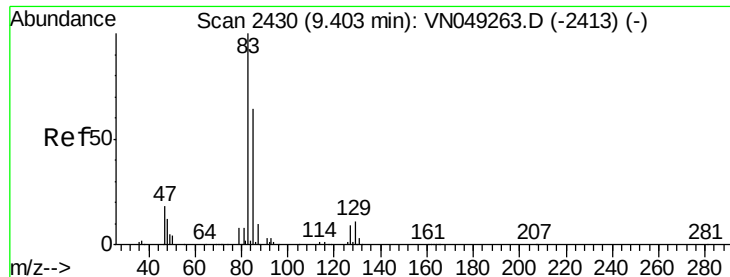
Tgt Ion:130 Resp: 8624

Ion Ratio Lower Upper

130 100

95 92.5 0.0 208.6





#47

Bromodichloromethane

Concen: 0.36 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :
MSVOA_N
ClientSampled :

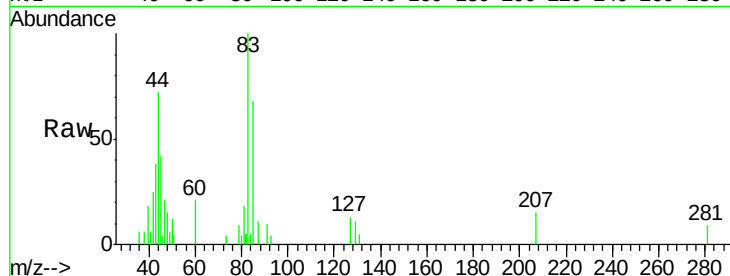
Tot Ion: 83 Resp: 8233

Ion Ratio Lower Upper

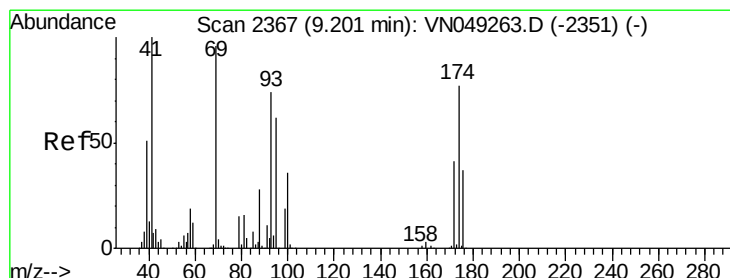
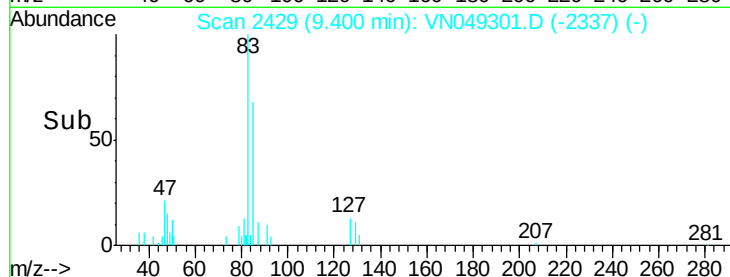
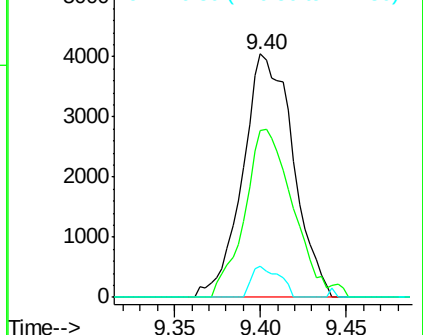
83 100

85 68.4 49.4 74.0

127 12.9 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#49

1,4-Dioxane

Concen: 0.71 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.01 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

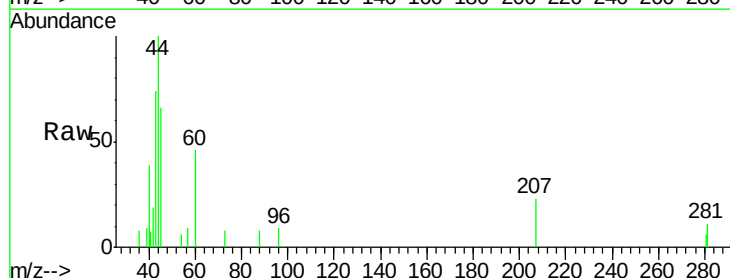
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

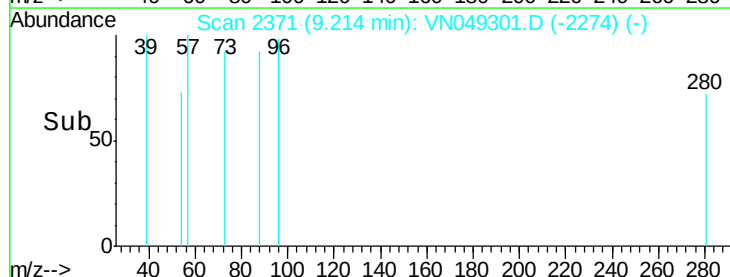
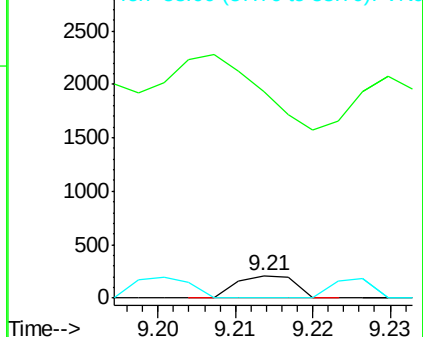
88 100

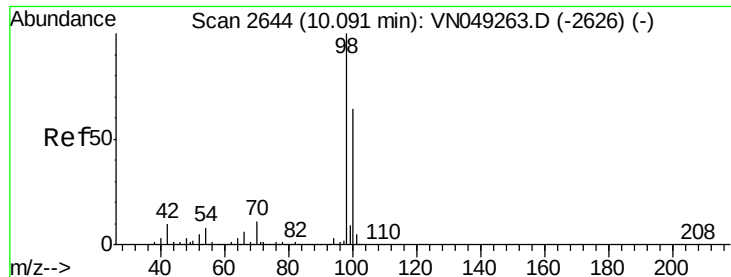
43 513.8 30.9 46.3#

58 91.7 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 44.60 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

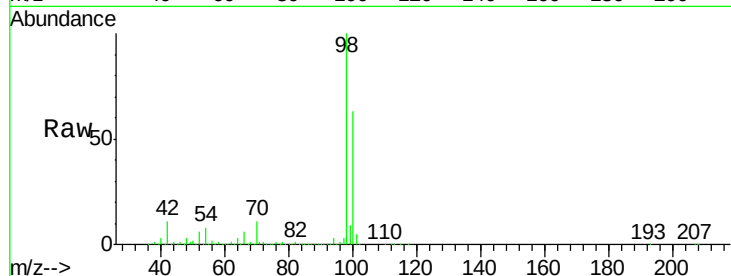
ClientSampled :

Tot Ion: 98 Resp: 2711613

Ion Ratio Lower Upper

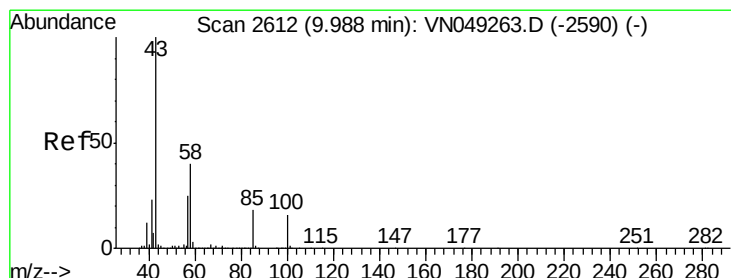
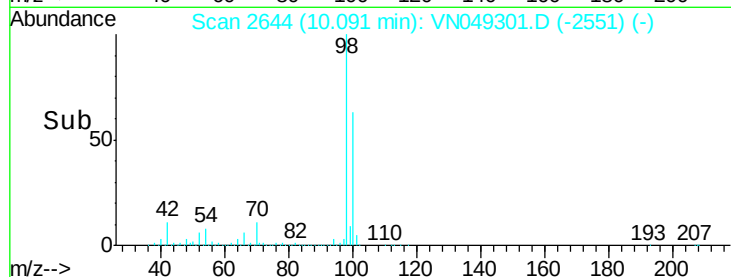
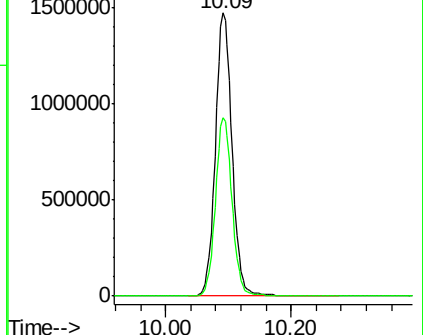
98 100

100 62.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049301.D

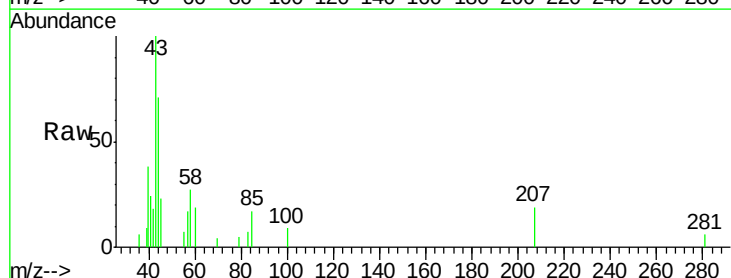
Acq: 16 Jun 2018 10:18

Tgt Ion: 43 Resp: 3522

Ion Ratio Lower Upper

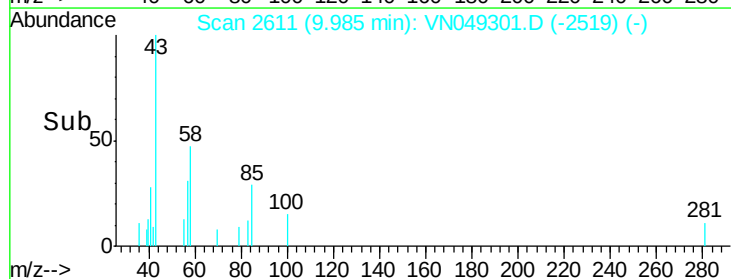
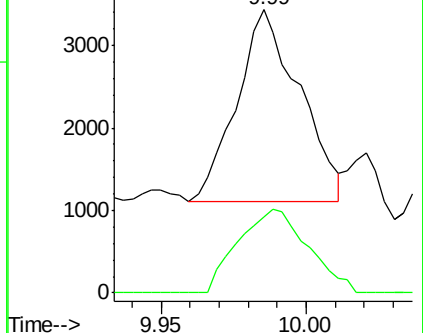
43 100

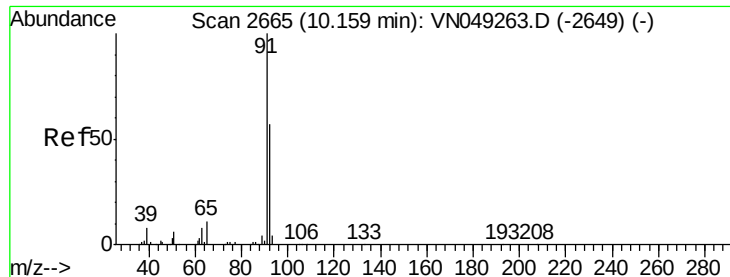
58 48.3 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)





#52

Toluene

Concen: 1.92 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

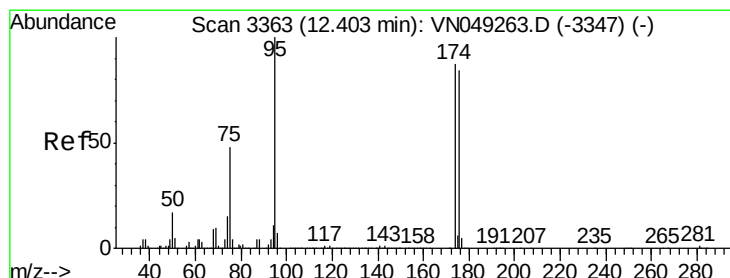
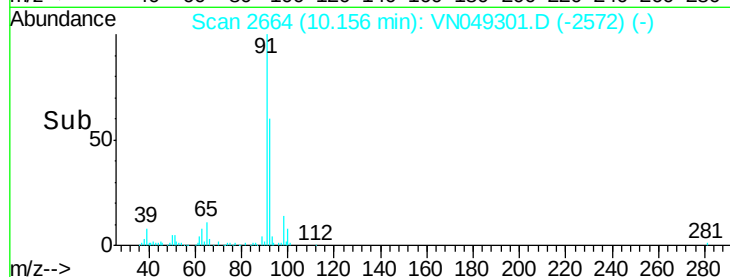
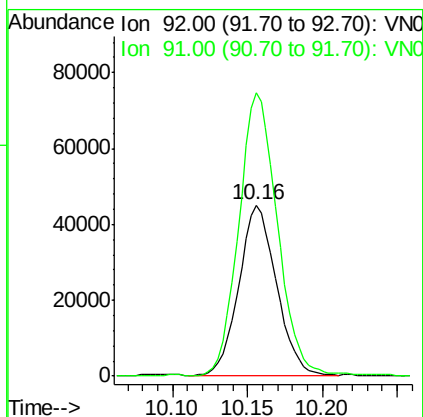
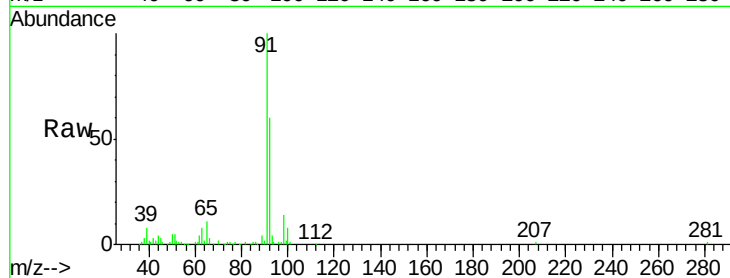
ClientSampleId :

Tot Ion: 92 Resp: 78198

Ion Ratio Lower Upper

92 100

91 172.7 143.4 215.2



#62

4-Bromofluorobenzene

Concen: 37.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

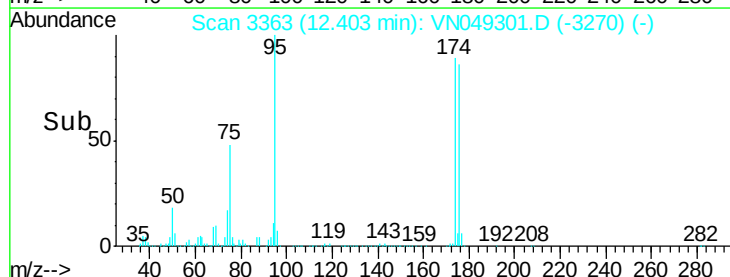
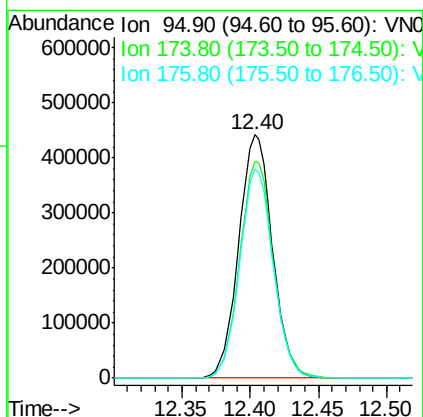
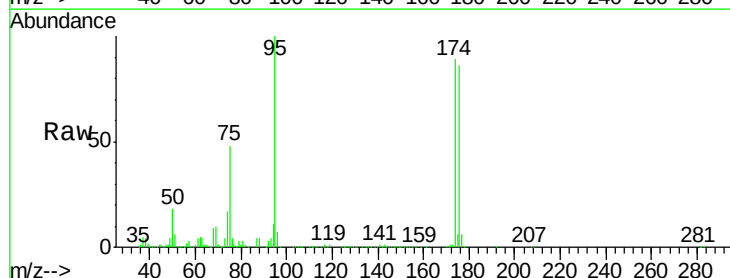
Tgt Ion: 95 Resp: 756236

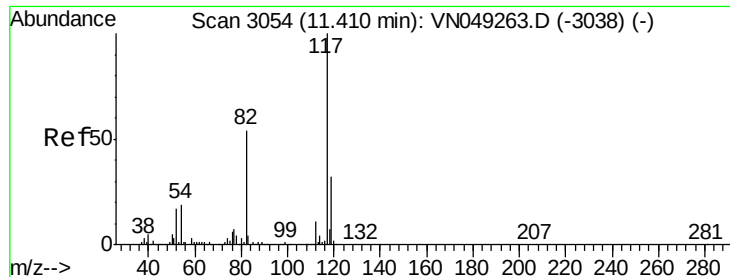
Ion Ratio Lower Upper

95 100

174 89.1 0.0 165.6

176 85.6 0.0 157.4

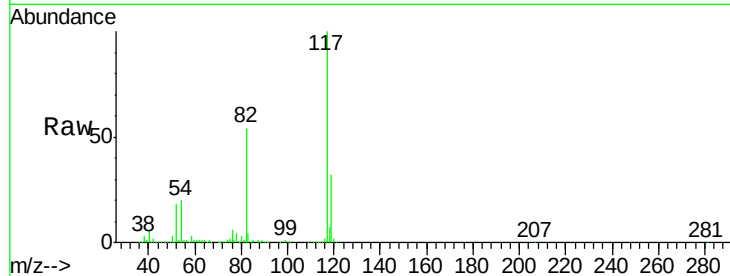




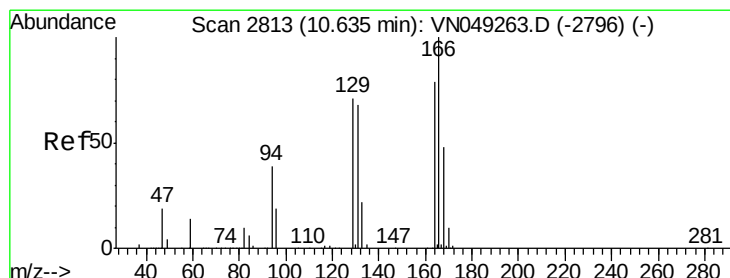
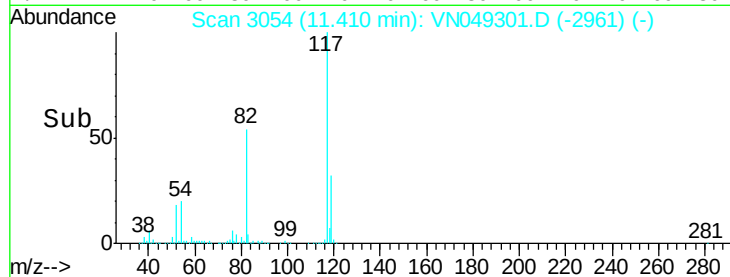
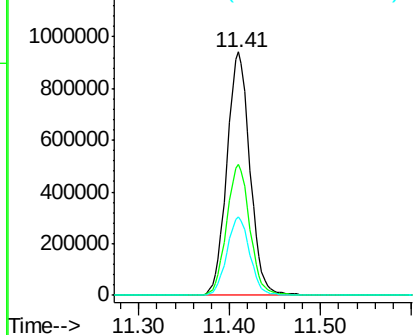
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1654464
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 32.1 25.5 38.3

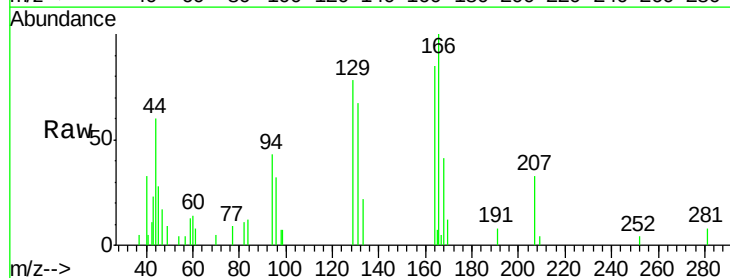


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

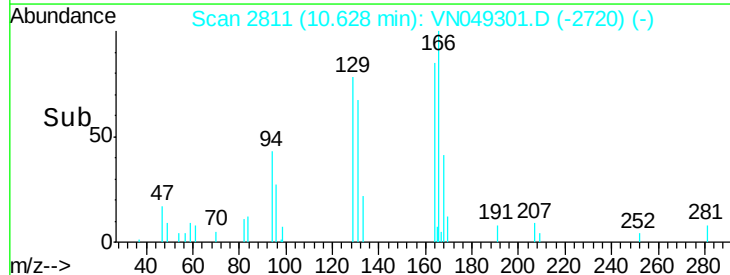
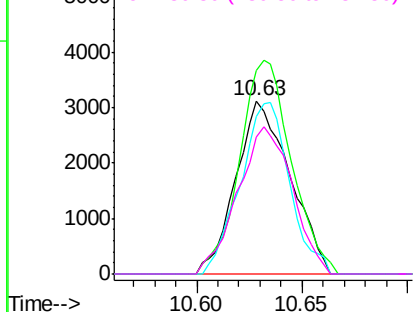


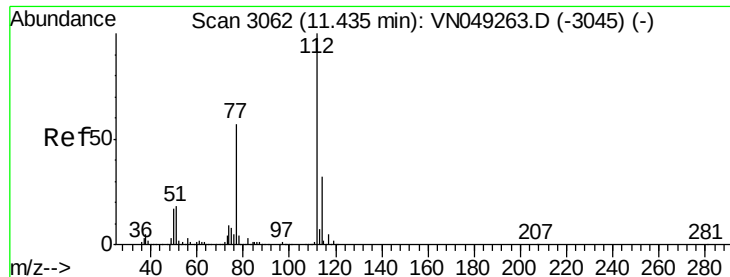
#64
Tetrachloroethene
Concen: 0.33 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. -0.01 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion:164 Resp: 5555
Ion Ratio Lower Upper
164 100
166 117.7 101.4 152.2
129 91.3 74.1 111.1
131 79.2 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

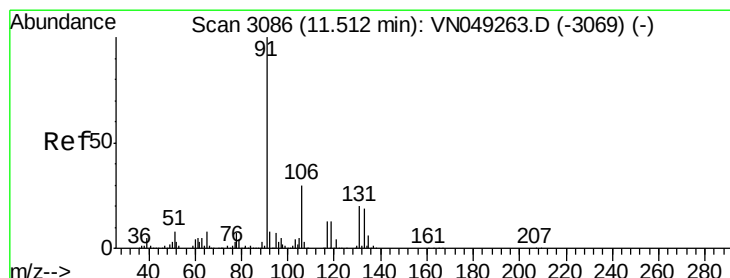
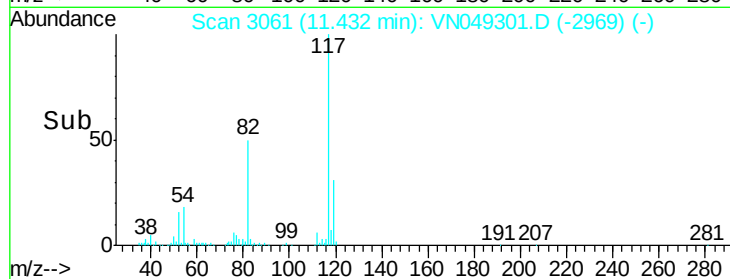
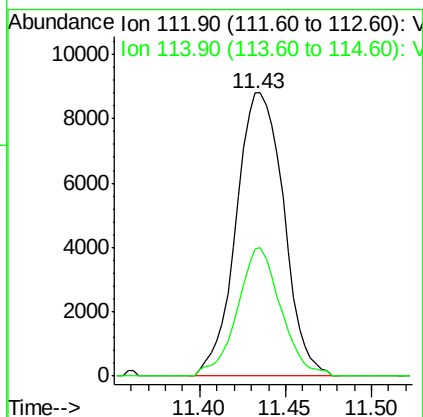
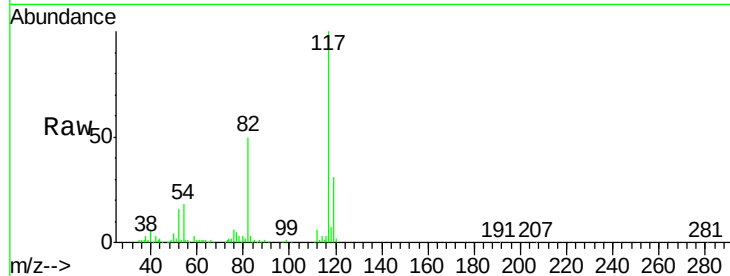




#65
Chlorobenzene
Concen: 0.40 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

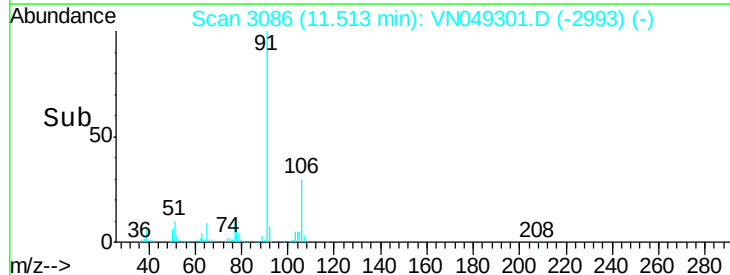
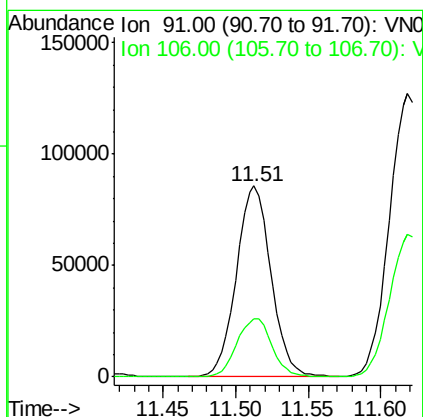
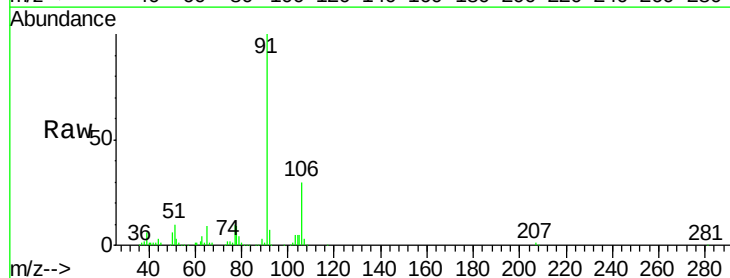
Instrument :
MSVOA_N
ClientSampled :

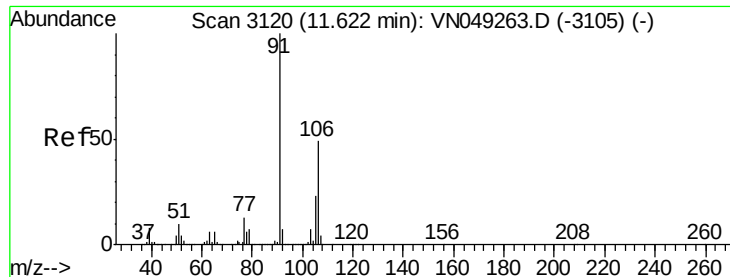
Tot Ion:112 Resp: 16948
Ion Ratio Lower Upper
112 100
114 44.9 26.2 39.4#



#67
Ethyl Benzene
Concen: 2.02 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion: 91 Resp: 142935
Ion Ratio Lower Upper
91 100
106 30.2 23.9 35.9

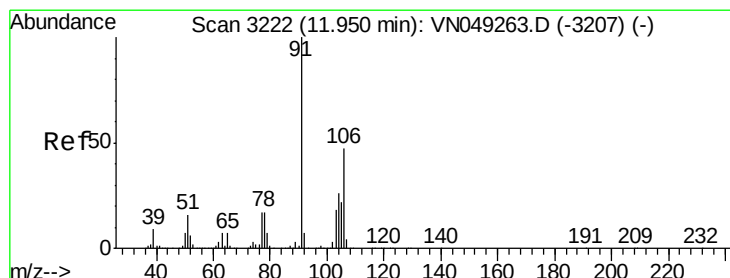
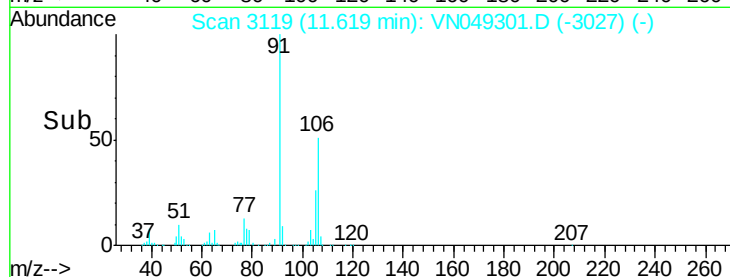
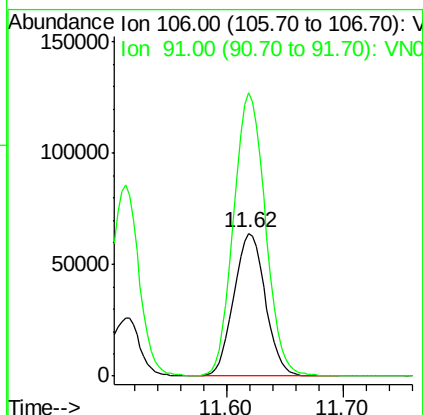
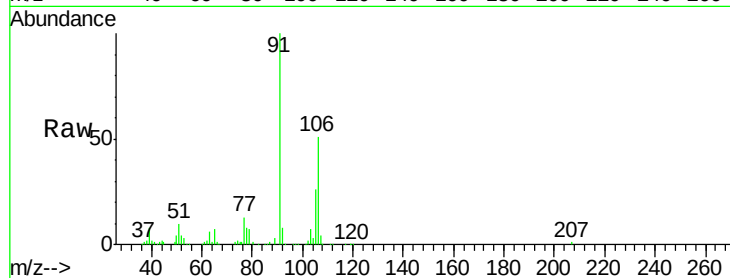




#68
m/p-Xylenes
Concen: 4.57 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

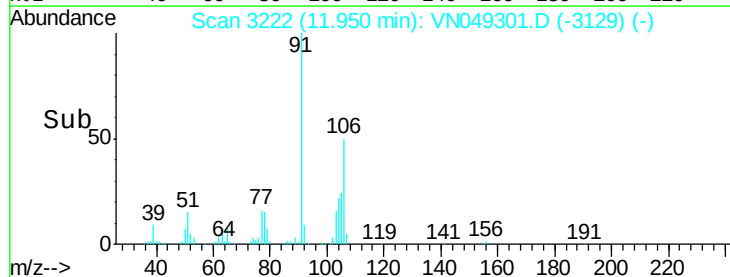
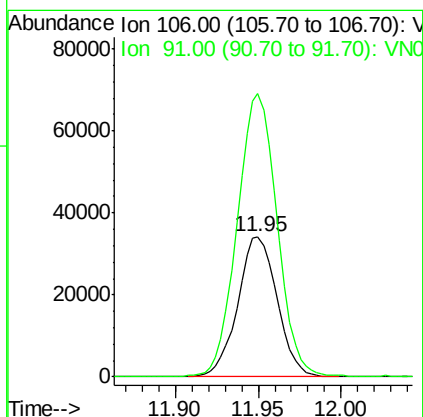
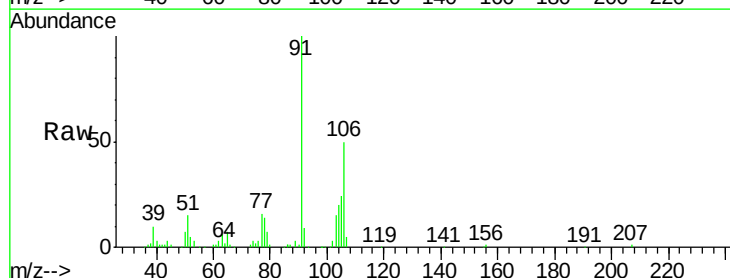
Instrument :
MSVOA_N
ClientSampleId :

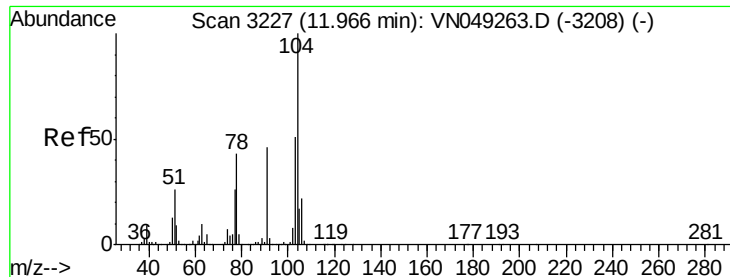
Tot Ion:106 Resp: 121189
Ion Ratio Lower Upper
106 100
91 199.3 167.3 250.9



#69
o-Xylene
Concen: 2.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049301.D
Acq: 16 Jun 2018 10:18

Tgt Ion:106 Resp: 56387
Ion Ratio Lower Upper
106 100
91 205.0 111.0 333.0





#70

Stvrene

Concen: 1.46 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

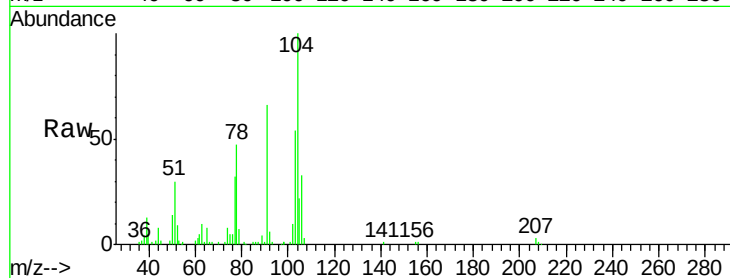
Tot Ion:104 Resp: 58986

Ion Ratio Lower Upper

104 100

78 51.0 41.6 62.4

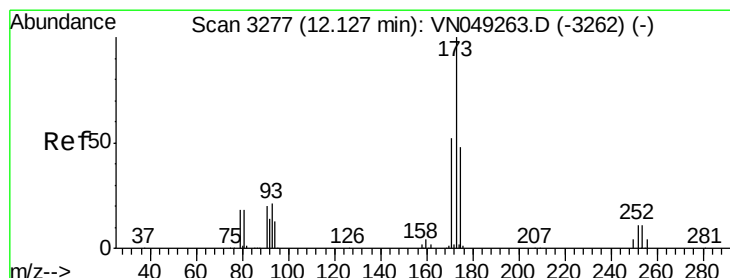
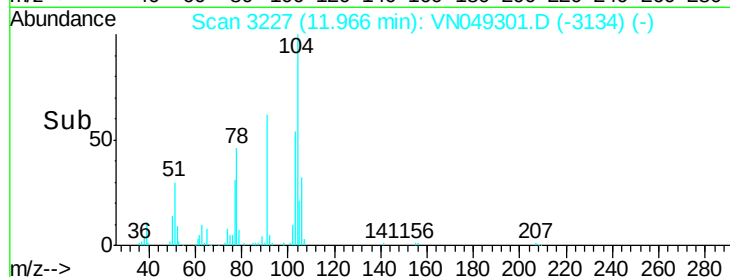
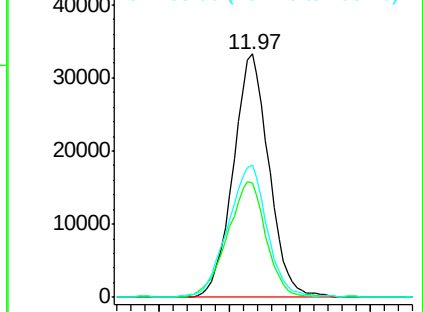
103 59.4 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.49 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

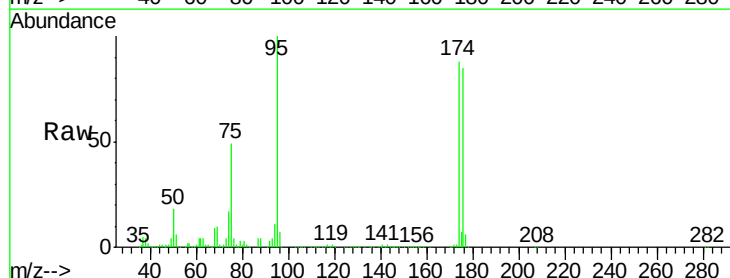
Tgt Ion:173 Resp: 5048

Ion Ratio Lower Upper

173 100

175 788.9 24.5 73.5#

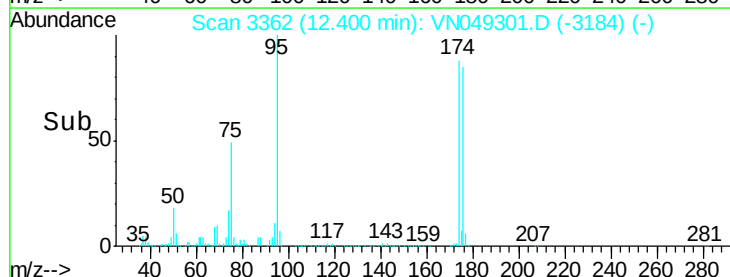
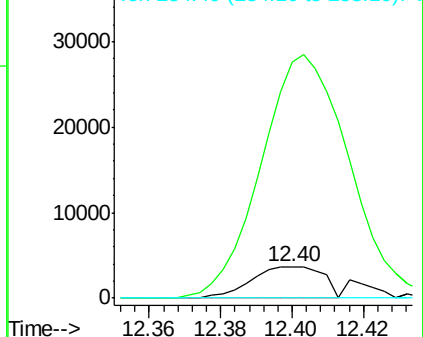
254 0.0 0.1 0.1#

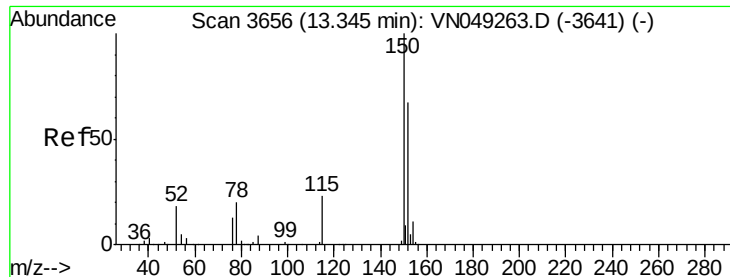


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

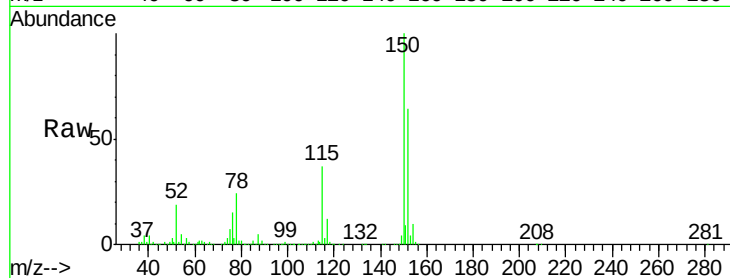
Tot Ion:152 Resp: 608750

Ion Ratio Lower Upper

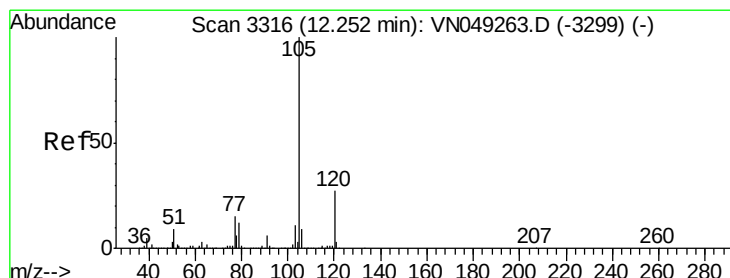
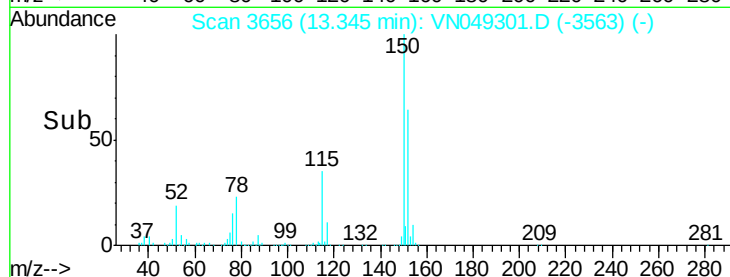
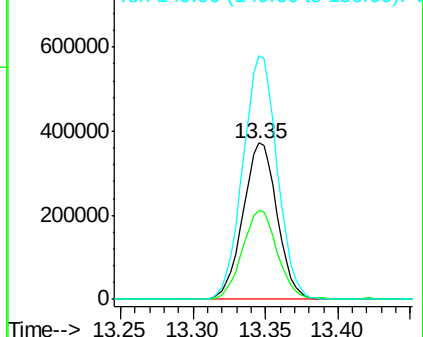
152 100

115 58.2 28.7 86.1

150 156.9 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.55 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049301.D

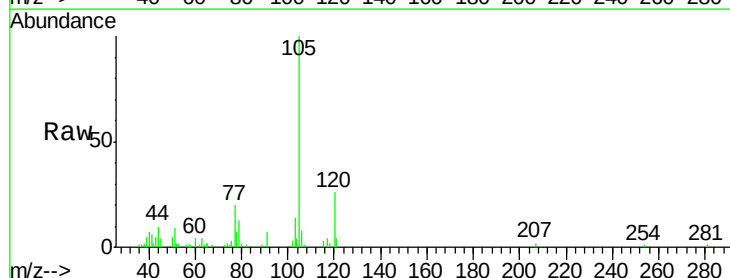
Acq: 16 Jun 2018 10:18

Tgt Ion:105 Resp: 29426

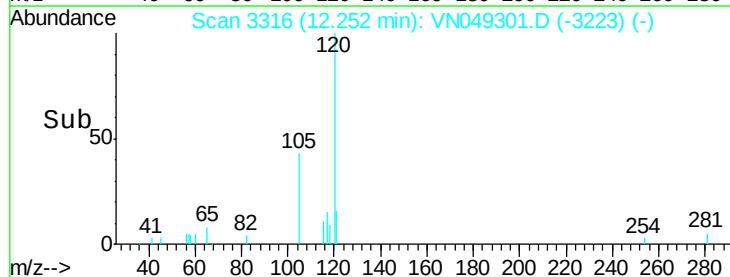
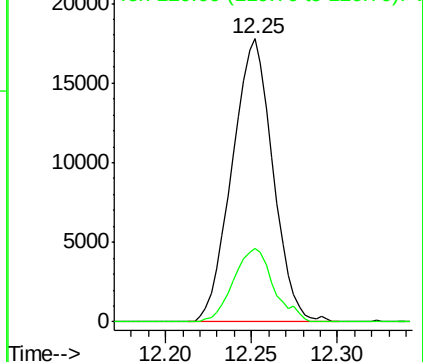
Ion Ratio Lower Upper

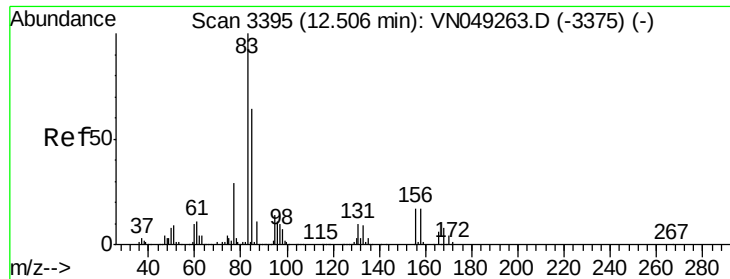
105 100

120 25.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

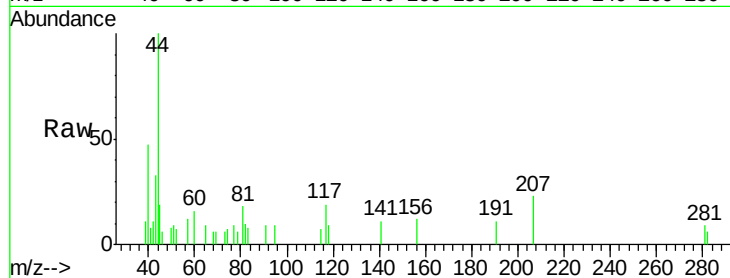
Tot Ion: 83 Resp: 113

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

250

200

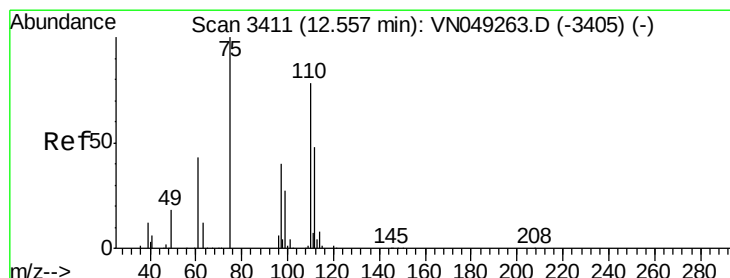
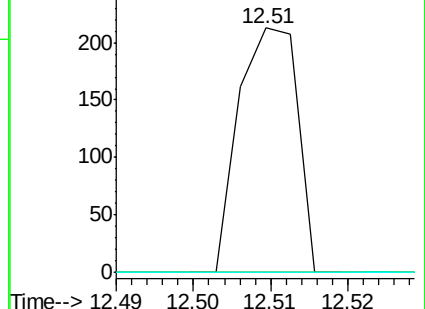
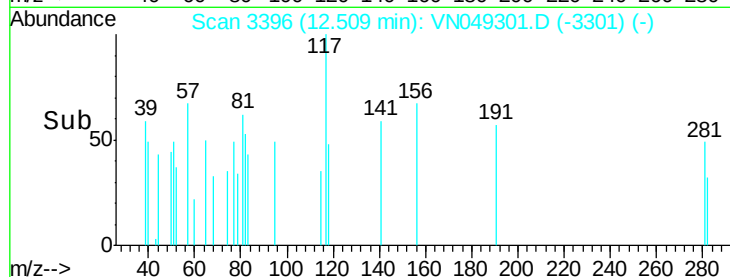
150

100

50

0

12.49 12.50 12.51 12.52



#76

1,2,3-Trichloropropane

Concen: 35.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049301.D

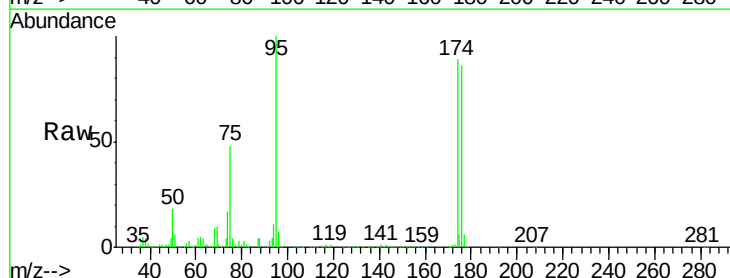
Acq: 16 Jun 2018 10:18

Tgt Ion: 75 Resp: 365815

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

250000

200000

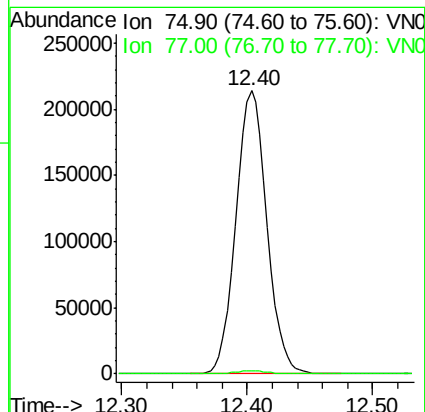
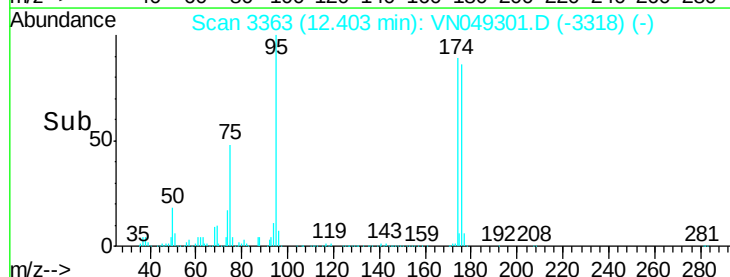
150000

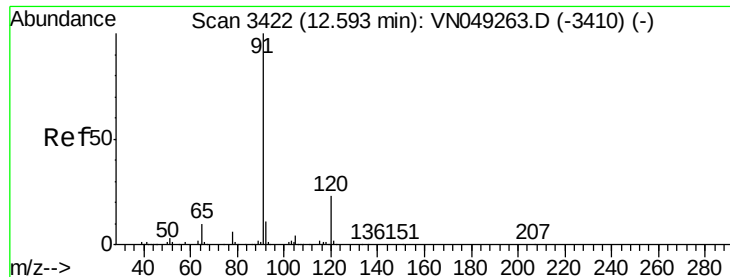
100000

50000

0

12.30 12.40 12.50





#78

n-propylbenzene

Concen: 0.96 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

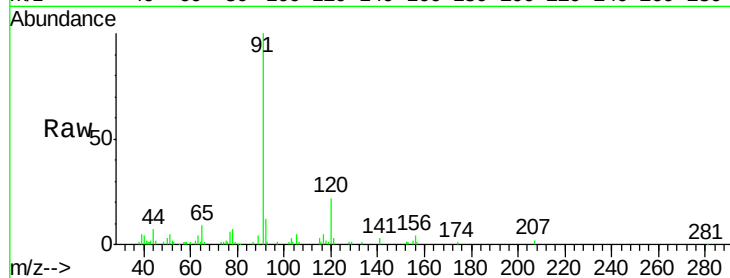
ClientSampleId :

Tot Ion: 91 Resp: 56078

Ion Ratio Lower Upper

91 100

120 23.0 11.2 33.5

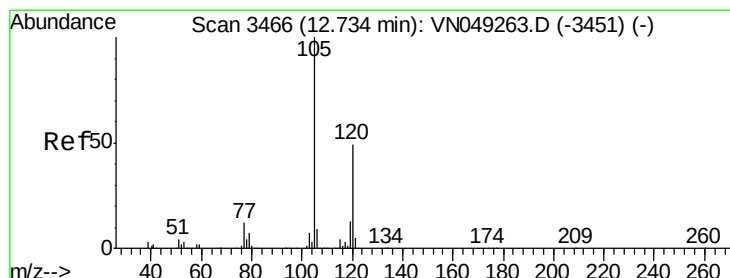
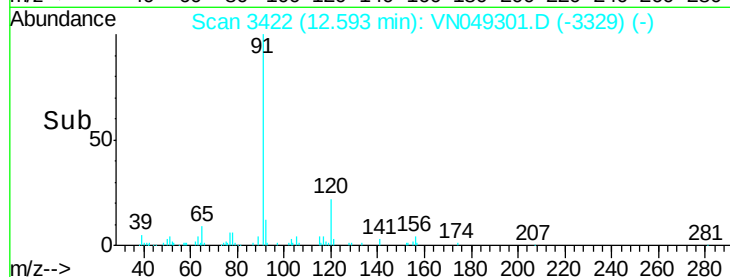


Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3410) (-)

12.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.94 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049301.D

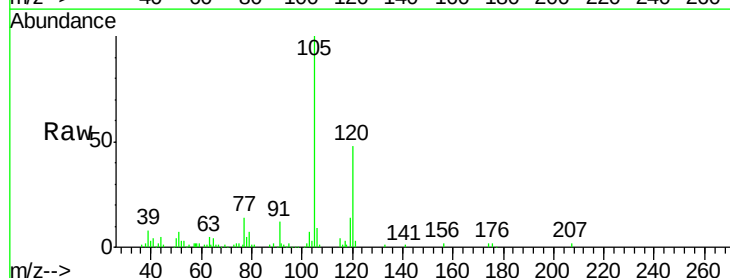
Acq: 16 Jun 2018 10:18

Tgt Ion:105 Resp: 81674

Ion Ratio Lower Upper

105 100

120 49.8 23.5 70.5

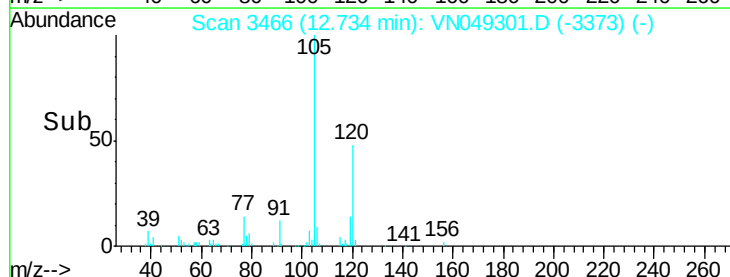


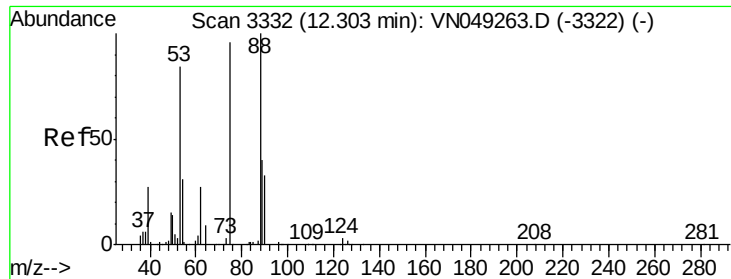
Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 111.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

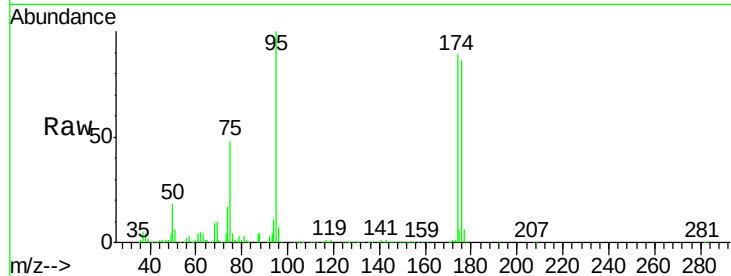
Tot Ion: 75 Resp: 365815

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

89 0.0 36.5 54.7#

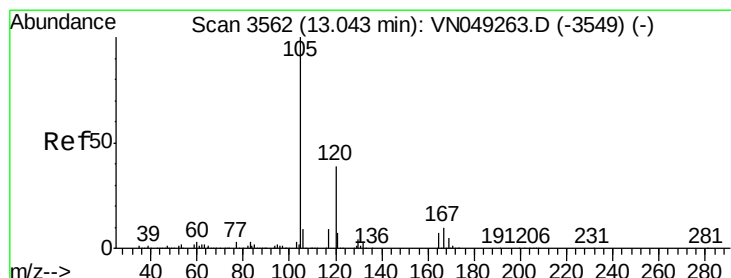
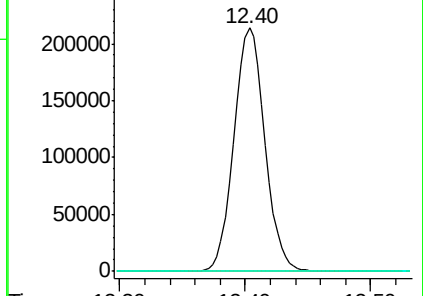
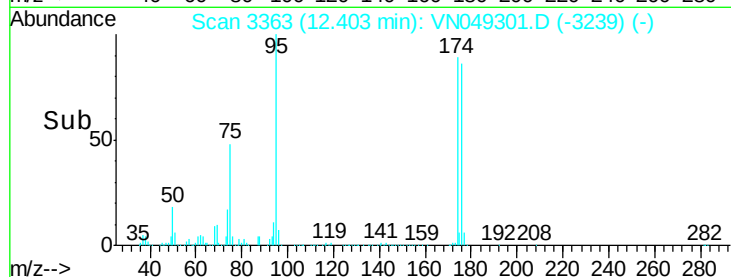


Abundance Ion 74.90 (74.60 to 75.60): VN049301.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049301.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049301.D (-3363) (-)

Time--> 12.30 12.40 12.50



#84

1,2,4-Trimethylbenzene

Concen: 7.19 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049301.D

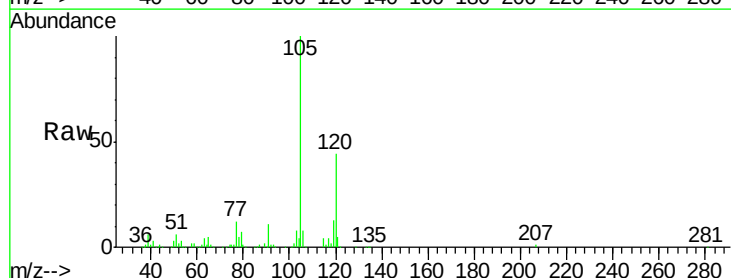
Acq: 16 Jun 2018 10:18

Tgt Ion: 105 Resp: 299998

Ion Ratio Lower Upper

105 100

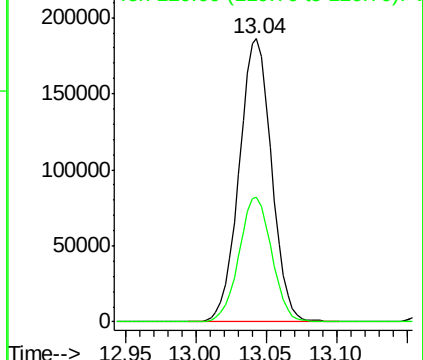
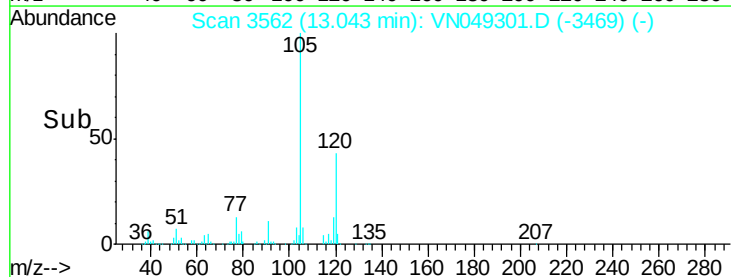
120 44.5 22.2 66.6

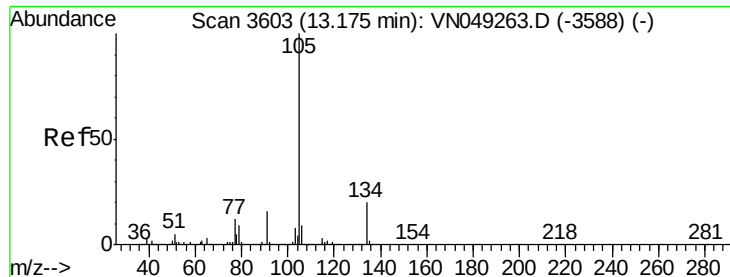


Abundance Ion 105.00 (104.70 to 105.70): VN049301.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049301.D (-3562) (-)

Time--> 12.95 13.00 13.05 13.10





#85

sec-Butylbenzene

Concen: 0.54 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

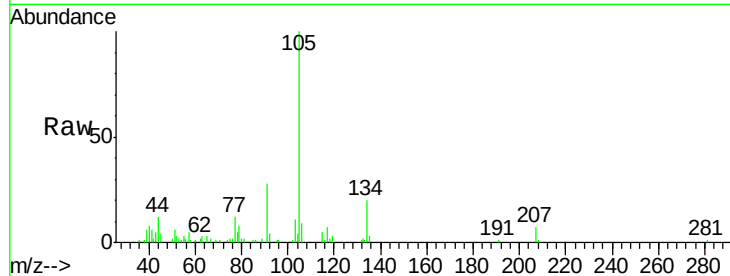
ClientSampleId :

Tot Ion:105 Resp: 26784

Ion Ratio Lower Upper

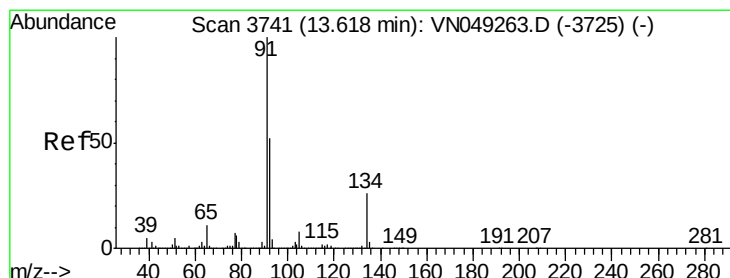
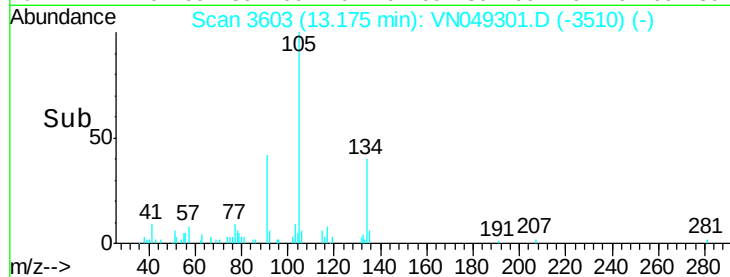
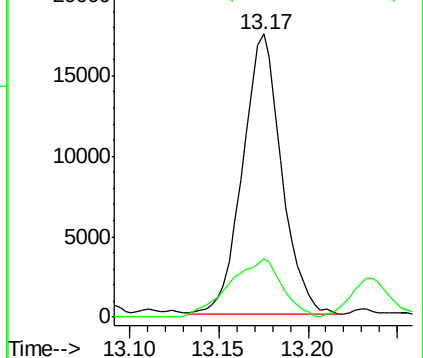
105 100

134 27.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.45 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

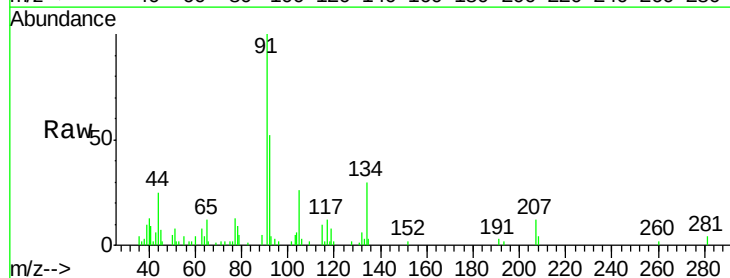
Tgt Ion: 91 Resp: 14478

Ion Ratio Lower Upper

91 100

92 64.3 25.1 75.4

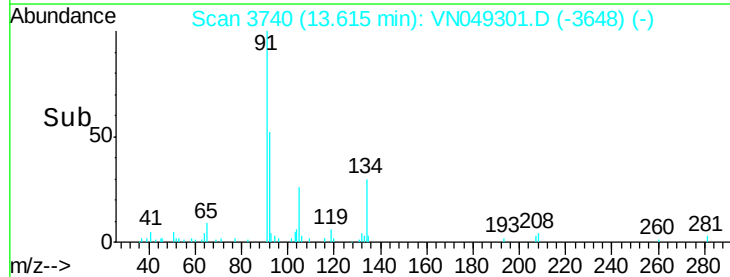
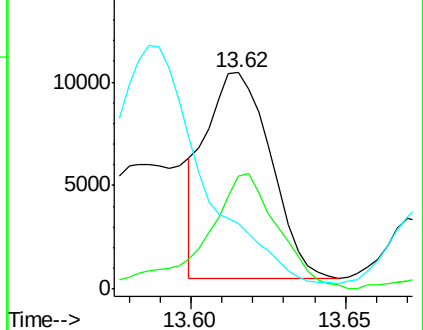
134 0.0 12.0 36.0#

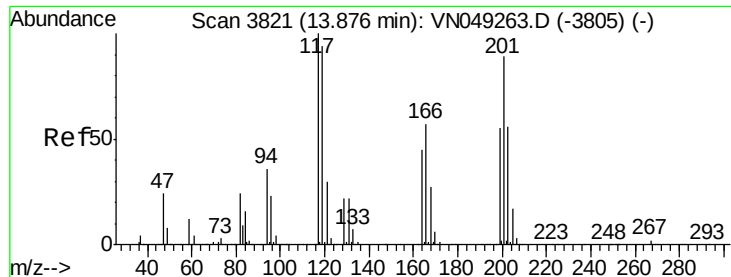


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.40 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

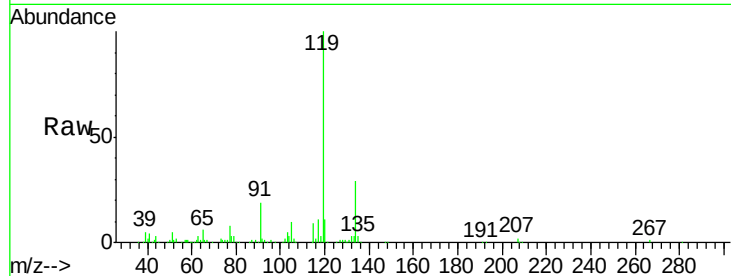
ClientSampleId :

Tot Ion:117 Resp: 16327

Ion Ratio Lower Upper

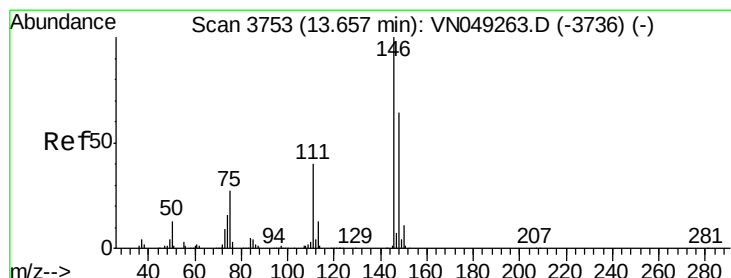
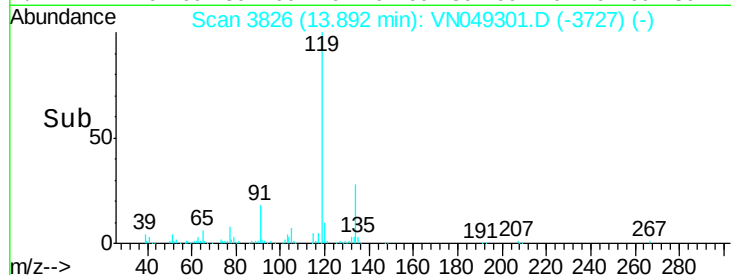
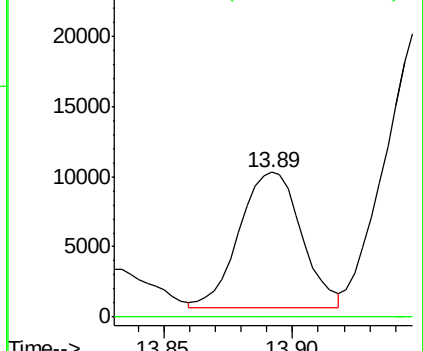
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.32 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

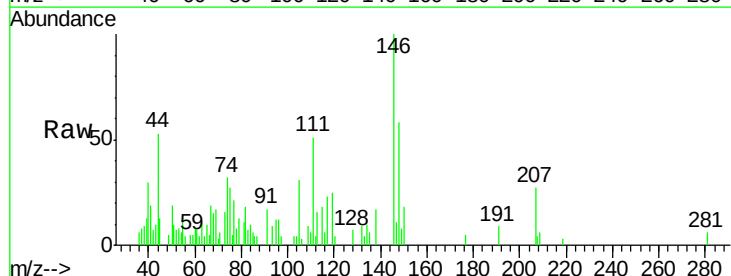
Tgt Ion:146 Resp: 7394

Ion Ratio Lower Upper

146 100

111 52.0 20.8 62.2

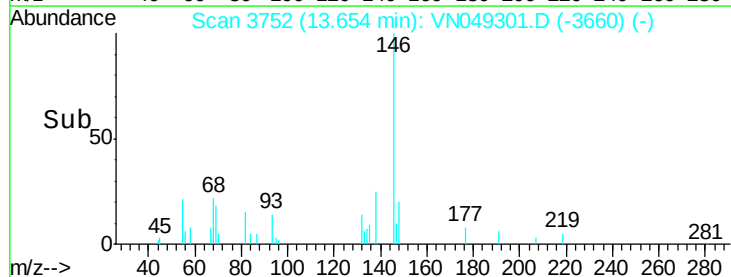
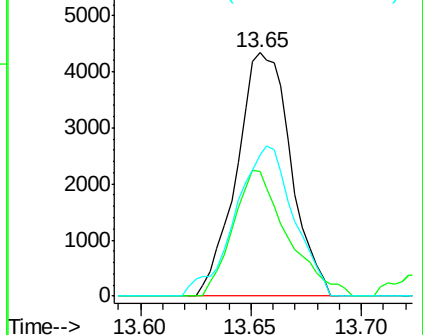
148 66.5 32.0 96.2

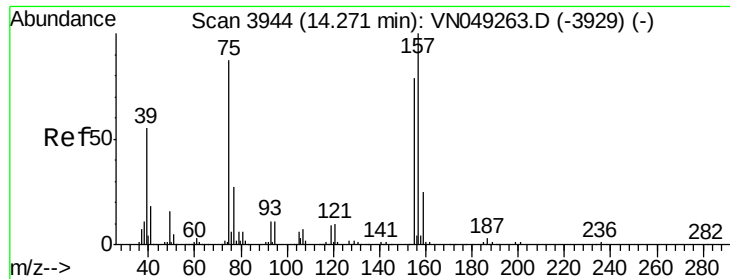


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

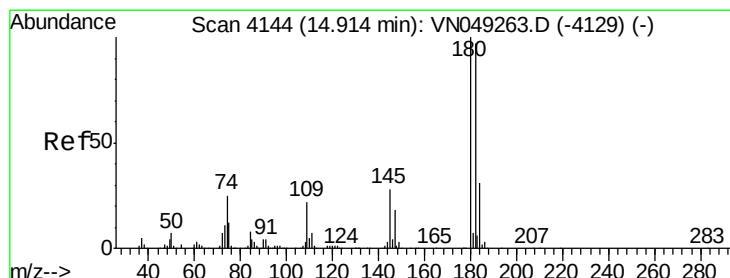
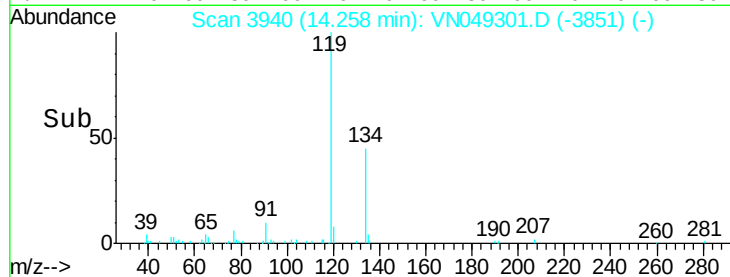
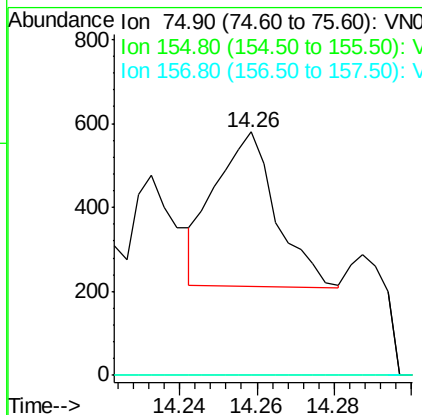
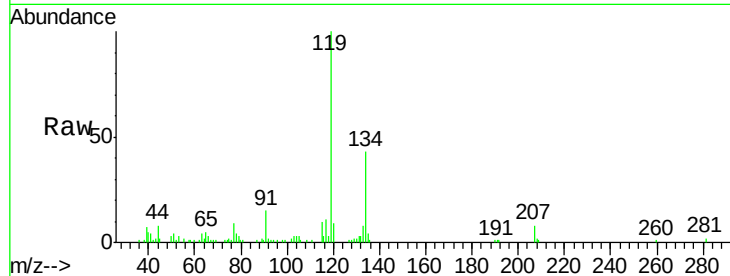




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.22 ug/l
 RT: 14.26 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

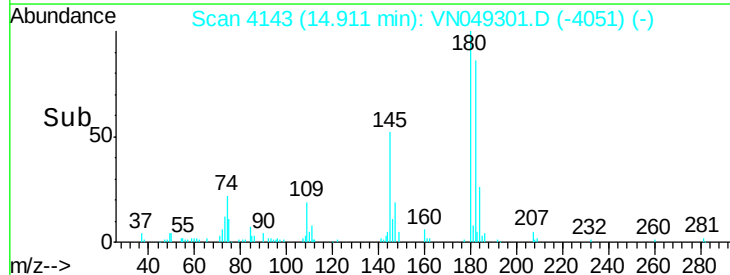
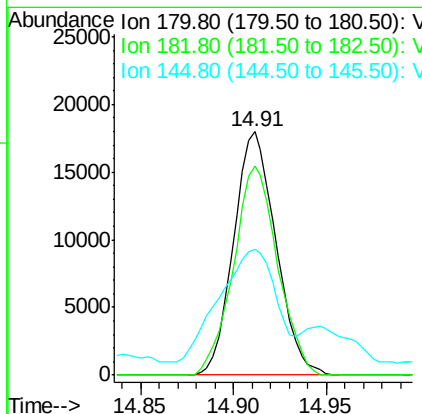
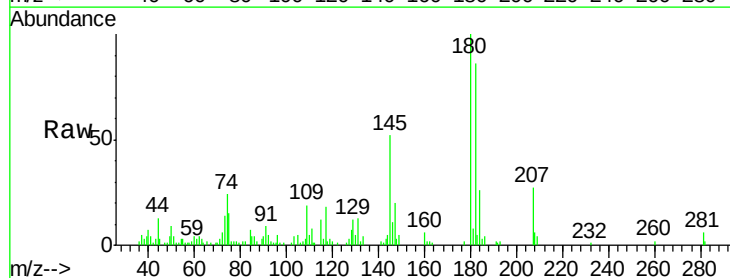
Instrument :
 MSVOA_N
 ClientSampleId :

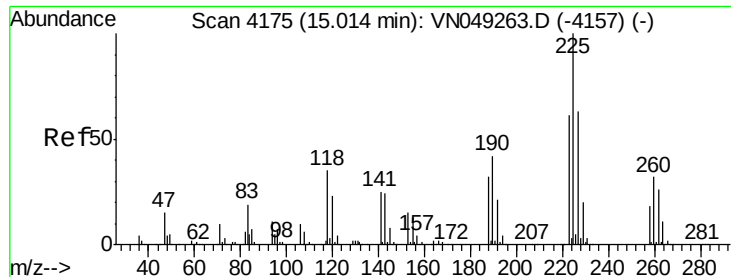
Tot Ion: 75 Resp: 403
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.8 116.3#
 157 0.0 51.0 153.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 7.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

Tgt Ion: 180 Resp: 28524
 Ion Ratio Lower Upper
 180 100
 182 89.5 46.9 140.8
 145 62.5 14.7 44.1#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4173

Delta R.T. -0.01 min

Lab File: VN049301.D

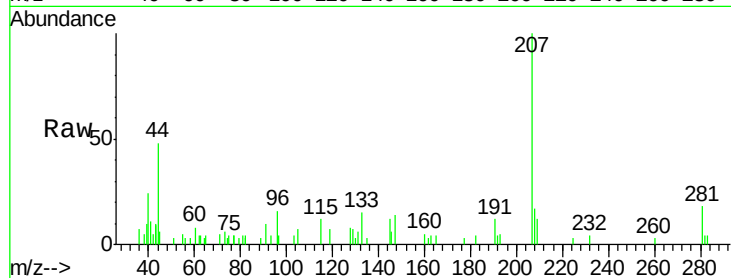
Acq: 16 Jun 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	61
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.1	96.3#
227	0.0	31.8	95.3#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

15.01

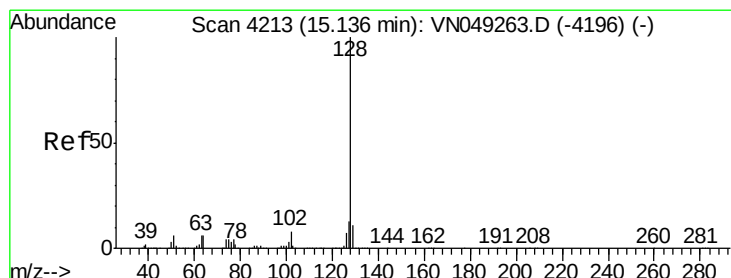
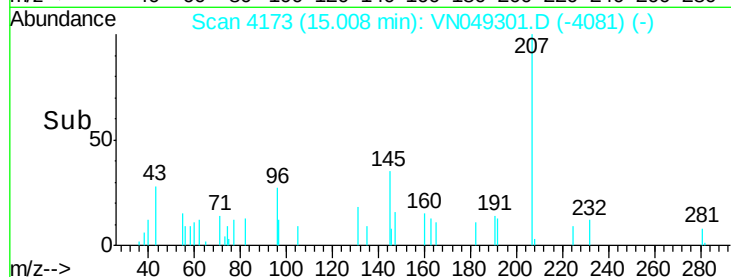
150

100

50

0

Time--> 14.99 15.00 15.01



#95

Naphthalene

Concen: 92.76 ug/l

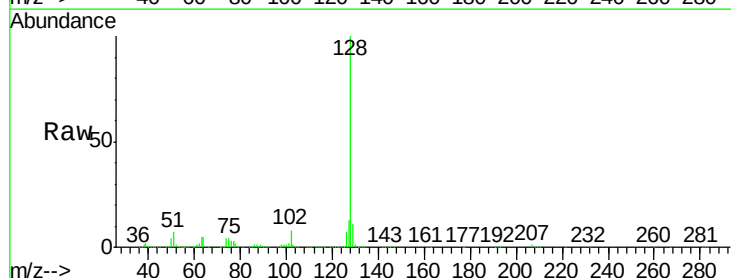
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049301.D

Acq: 16 Jun 2018 10:18

Tgt Ion:	128	Resp:	1952179
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.7	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.14

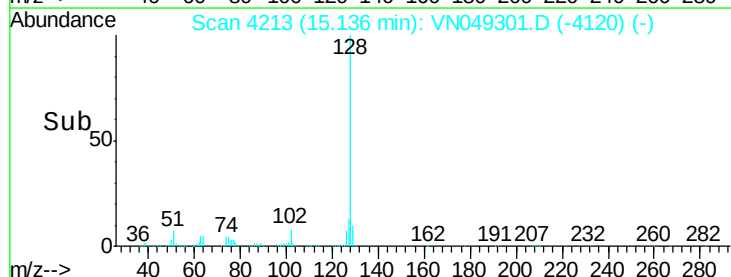
1500000

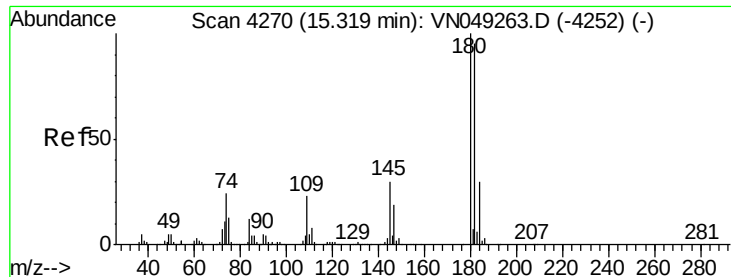
1000000

500000

0

Time--> 15.05 15.10 15.15 15.20

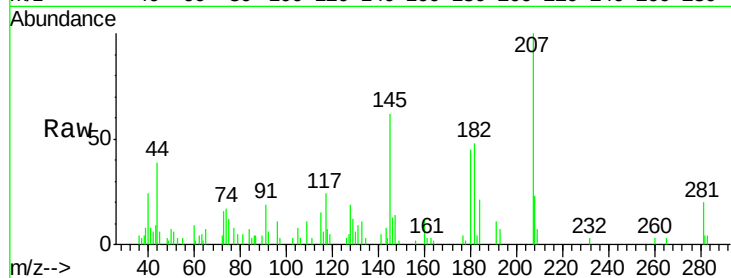




#96
 1,2,3-Trichlorobenzene
 Concen: 3.99 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049301.D
 Acq: 16 Jun 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.3	47.3	141.8
145	106.8	15.6	46.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

